

## **SERVICE MANUAL**

DVD&HDD VIDEO RECORDER

# DR-MH20SE, DR-MH20SEK, DR-MH20SEF DR-MH30SE, DR-MH30SEK DR-MH30SEF, DR-MH30SER

Area Suffix				
EK U.K.				
EF France ER Russian Federation				
E Continental Europe Northern Europe				



Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

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#### **SPECIFICATION**

	DR-MH20SE,DR-MH30SE,DR-MH30SER	DR-MH20SEK,DR-MH30SEK	DR-MH20SEF,DR-MH30SEF					
GENERAL	, , , , , , , , , , , , , , , , , , , ,	,						
Power requirement	uirement AC 220 V - 240 V~, 50 Hz/60 Hz							
Power consumption								
·	Power off: 19.3 W							
Temperature								
	Storage : -20°C to 60°C							
Operating position	Horizontal only							
	435 mm × 70 mm × 345.5 mm							
	Weight 6.1 kg							
Input/Output	V:0 0 1 2 Vn n 75 ohmo							
S-video iriput	ut   Y:0.8-1.2 Vp-p, 75 ohms   C : 0.2 -0.4 Vp-p, 75 ohms							
S-video output	Y: 1.0 Vp-p, 75 ohms							
	C: 0.3 Vp-p, 75 ohms							
Video input	0.5- 2.0 Vp-p, 75 ohms (pin jack)							
Audio input	-8 dB, 50 kilohms (pin jack)							
	Corresponding to mono (left)							
	-8 dB, 1 kilohms (pin jack)							
	4-pin for DV input							
Component video output	Y : 1.0 Vp-p, 75 ohms  CB/CR, PB/PR: 0.7 Vp-p, 75 ohms							
	Corresponding to copy protection							
Digital audio output								
g	Coaxial: 0.7 Vp-p, 75 ohms							
	Corresponding to Dolby Digital and DTS	S Digital Surround Bit stream						
	Selectable in digital audio output setting	g menu						
RCA connectors	,							
VIDEO/AUDIO (DVD Deck	,							
Recording time		ours, (LP): Approx. 4 hours, (EP): Appro	x. 6 hours, (FR): Approx. 1 hour - 8 hours					
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)							
Video recording compression system	MPEG2 (CBR/VBR)							
VIDEO/AUDIO (HDD Deck)								
Video recording compression system								
Audio recording system								
1	Linear PCM (XP mode only)							
Recording time	Maximum 204 hours							
-	(XP): Approx. 34 hours,(SP): Approx. 68 h	nours,(LP): Approx. 136 hours,(EP): App	rox. 204 hours,(FR480): Approx. 272 hours					
TUNER/TIMER								
Signal system	PAL-type colour signal and CCIR mono	chrome signal, 625 lines 50 fields	-					
	99 positions (+AUX position)							
Tuning system	Frequency synthesized tuner							
Channel coverage (SECAM-L)	e - VHF(LOW):49 MHz-65 MHz(2-4)							
Channel coverage(PAL)	VHF(LOW): 47 MHz-89 MHz	VHF(LOW):44.5 MHz-143 MHz	VHF(LOW):47 MHz-89 MHz					
	VHF(HIGH):104 MHz -300 MHz	VHF(HIGH):143 MHz-470 MHz	(E2-E4,X,Y,Z)					
	Hyper:302 MHz-470 MHz	UHF: 470 MHz-862 MHz	VHF(HIGH):104 MHz-300 MHz					
	UHF 470 MHz-862 MHz		(E5-E12,S1-S20,M1-M10,U1-U10)					
			Hyper:302 MHz-470 MHz(S21-S41)					
			UHF:470 MHz-862 MHz(E21-E69)					
Memory backup time	Approx. 60 seconds							
ACCESSORIES								
Provided accessories			ol- RF cable,21-pin SCART cable,Satellite Control-					
	ler,Infrared remote control unit,"R6" battery x 2   Ier,Infrared remote control unit,"AA" battery x 2   Ier,Infrared remote control unit, "R6" battery x							
		·						

E.& O.E. Design and specifications subject to change without notice.

- · Manufactured under licence from Dolby Laboratories. "Dolby" and double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.
- SHOWVIEW is a registered trademark of Gemstar Development Corporation. The SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.
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  rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision
  Corporation, and is intended for home and other limited viewing users only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
- VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

### SECTION 1 PRECAUTION

#### 1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (▲) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

#### (5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

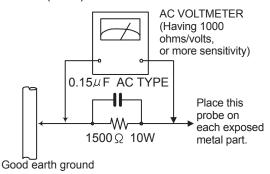
Plug the AC line cord directly into the AC outlet. Using a
"Leakage Current Tester", measure the leakage current
from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the
chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).

#### · Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having,  $1{,}000\Omega$  per volt or more sensitivity in the following manner. Connect a  $1{,}500\Omega$  10W resistor paralleled by a  $0{.}15\mu\text{F}$  AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



#### 1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

#### 1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.

Therefore, pay attention to such burrs in the case of preforming repair of this system.

#### 1.4 Critical parts for safety

#### 1.5 Important for laser products

#### 1.CLASS 1 LASER PRODUCT

2.DANGER: Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION: There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION: The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION: If safety switches malfunction, the laser is able to function.

6.CAUTION: Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

↑ CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation

check.

**CAUTION**: Visible and invisible laser radiation when open

and interlock failed or defeated.

AVOID DIRECT EXPOSUREBTO BEAM.

ADVARSEL: Synlig og usynlig laserstråling når maskinen er

åben eller interlocken fejler. Undgå direkte eksponering til stråling.

**VARNING**: Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

**VARO** : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymätttömälle lasersäteilylle.

Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABEL and PRINT

#### WARNING LABEL and PRINT

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSAETTELSE FOR STRÅLING ADVARSEL SYNLIG OG USYNLIG LASERS I RALING VED ADMINIO. DIDUGU DE SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNDGÅ EKSPONERING FOR STRÅLEN STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

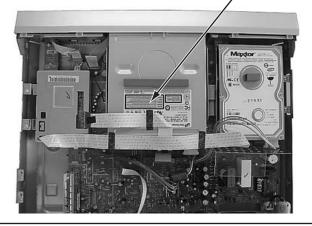
VARO!

AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING

SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR FARLIG STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

On mechaism assembly



#### 1.6 Hard Disk Drive (HDD) Handling Precautions

The HDD is a precision device for use in reading and writing a large amount of data on or from a disk rotating at a high speed. If it is not handled carefully, either abnormal operation may result or it may not be possible to read data. The HDD is sensitive to the following items and special care is required in safeguarding against them when handling an HDD. Also take care in handling a set incorporating an HDD.

- (1) Vibrations and impacts
- (2) Static electricity
- (3) Rough handling

#### 1.6.1 Handling in transport, etc.

- Be sure to place the HDD in the manufacturer's specified package carton before transport.
- When receiving a package containing an HDD, check that the package carton is not damaged (such as having holes in the carton, crushed corners, etc.).
- Do not impact the packaging carton when loading or unloading it.
- It is not permitted to use the inner package carton only for transporting an HDD.
- · Do not stack package cartons one upon another.



- When handling an HDD on a hard workbench, place an antistatic mat (rubber sheet) or similar object on the hard surface (to prevent any impacts occurring between the HDD and bench).
- · Do not stack the HDDs one upon another.
- Do not knock an HDD with a hard object (such as a screwdriver).
- Do not place an HDD on its side panel without using a support (do not place an HDD in an unstable position).



Be sure to package and transport the HDDs correctly.



#### 1.6.3 Handling the installation of an HDD

- Place antistatic mats or similar sheets on all of the surfaces on which work is conducted or when the HDD is transported.
- · Do not permit the HDD to knock against the set's brackets.
- When screwing the brackets, be careful not to knock the HDD. When using a power screwdriver, use a low-shock model and arrange
  the tightening torque properly.
- · When mounting an HDD in a main body, take care not to apply excessive force to the brackets.

## SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

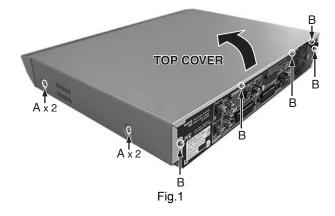
This service manual does not describe SPEC	CIFIC SERVICE INSTRUCTIONS.
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## SECTION 3 DISASSEMBLY

#### 3.1 Main body section

#### 3.1.1 Remove the top cover (See figure 1)

- (1) Remove the four screws **A** attaching the top cover on both sides of the main body.
- (2) Remove the five screws **B** attaching the top cover on the back of the main body.
- (3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.



#### 3.1.2 Remove the front panel assembly and HDD (See figure 2, figure 3, figure 4, and figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the drive unit.
  - (1) Remove the four screws C attaching the HDD.
  - (2) Disconnect the socket wire from connector <u>CN5307</u> on the switching regulator board.
  - (3) Disconnect the card wire from connector on the HDD.
  - (4) Disconnect the card wires from connector <u>CN3001</u>, <u>CN3002</u>, <u>CN4001</u> on the main board.
  - (5) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

#### NOTE:

In case of attach a front panel assembly, please let a card wire pass in the hole in the front part of a chassis, respectively, and connect.

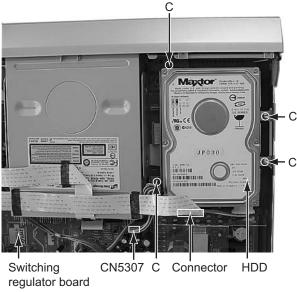
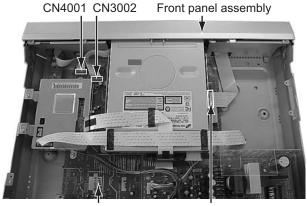


Fig.2



Main board CN3001 Fig.3

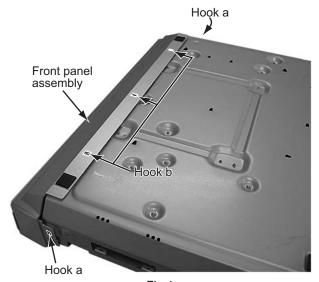
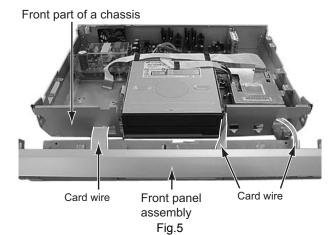


Fig.4



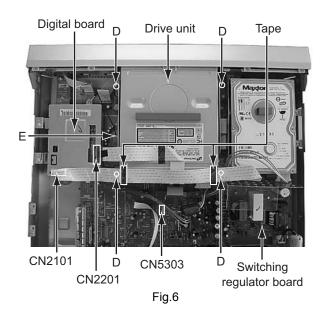
1-8 (No.YD027)

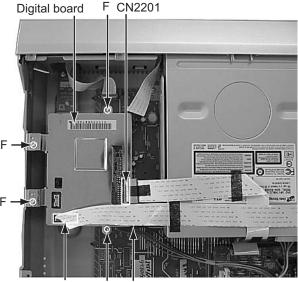
#### 3.1.3 Remove the drive unit (See figure 6)

- Prior to performing the following procedure, remove the top cover.
- · There is no need to remove the front panel assembly.
  - (1) Disconnect the socket wire from connector <u>CN5303</u> on the switching regulator board.
  - (2) Disconnect the card wire from connector <u>CN2201</u> on the digital board.
  - (3) The tape which is fixing the card wire is removed two places.
  - (4) Remove the four screws **D** attaching the drive unit.
  - (5) Remove the one screw **E** attaching the lug wire.

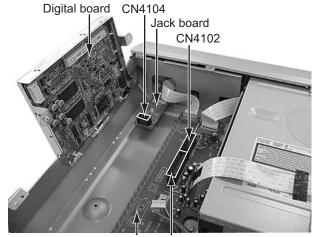
#### 3.1.4 Remove the digital board (See figure 7, figure 8)

- Prior to performing the following procedure, remove the top cover.
  - Disconnect the card wire from connector <u>CN2201</u>, <u>CN2101</u> on the digital board.
  - (2) Disconnect the socket wire from connector <u>CN1003</u> on the digital board.
  - (3) Remove the four screws F attaching the digital board.
  - (4) Lift the digital board up, and remove it. Then, the digital board is removed from the connectors <u>CN4101</u>, <u>CN4102</u> on the main board and <u>CN4104</u> on the jack board. In attaching the digital board, insert the connector on the digital board in these connectors securely.









Main board CN4101 Fig.8

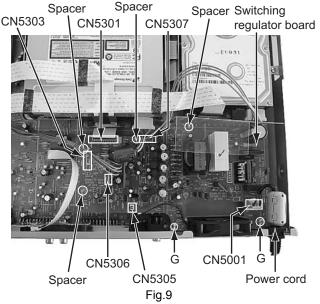
#### 3.1.5 Remove the switching regulator board (See figure 9)

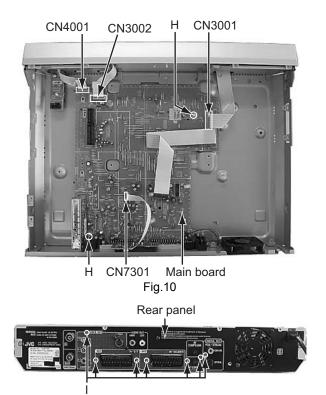
- Prior to performing the following procedure, remove the top cover.
  - (1) Disconnect the card wire from connector <u>CN5301</u> on the switching regulator board.
  - (2) Disconnect the socket wire from connector <u>CN5303</u>, <u>CN5305</u>, <u>CN5306</u>, <u>CN5307</u> on the switching regulator board.
  - (3) Disconnect the power cord from connector <u>CN5001</u> on the switching regulator board.
  - (4) Remove the two screws G attaching the switching regulator board.
  - (5) Four spacers are removed.

### CN5306 Spacer

#### 3.1.6 Remove the main board (See figure 10, figure 11)

- Prior to performing the following procedure, remove the top cover, drive unit, digital board, switching regulator board, HDD.
  - (1) Disconnect the card wire from connector <u>CN3001</u>, <u>CN3002</u>, <u>CN4001</u>, <u>CN7301</u> on the main board
  - (2) Remove the two screws **H** attaching the main board.
  - (3) Remove the seven screws I attaching the rear panel with main board.





## SECTION 4 ADJUSTMENT

#### 4.1 Timer clock adjustment (for only ver.E,ER)

If an error comes to arise for a clock, the following procedure will adjust.

Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 61 IC3001 pin 17 C3026 + and -
Adjustment part	(F)	C3025 (TIMER CLOCK)
Specified value	(G1)	1024.008 ±0.001 Hz (976.5549 ±0.0010 usec)

- (1) Connect the frequency counter to the measuring point (D1).
- (2) Connect the short wire between the short point (D2) and Vcc (5V).
- (3) Short the leads of capacitor (D3) once in order to reset the microprocessor of the system controller.
- (4) Disconnect the short wire between the short point (D2) and Vcc then connect it again.
- (5) Adjust the Adjustment part (F) so that the output frequency becomes the specified value (G).

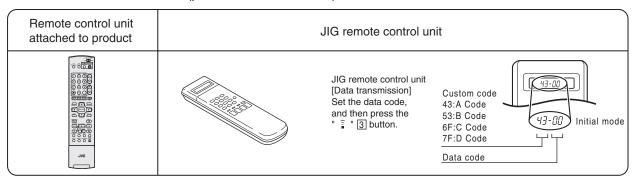
### SECTION 5 TROUBLESHOOTING

#### 5.1 JIG Mode

The following remote control units are required to set and cancel JIG mode.

For setting: a remote control unit attached to product.

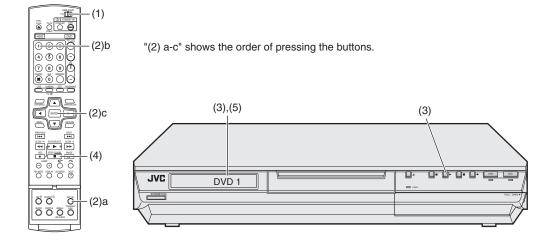
For cancellation: JIG remote control unit (part number: PTU94023B)



When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs to be changed to "Remote Control Code 1."

#### < Changing Remote Control Code >

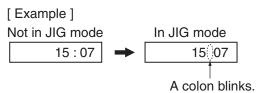
- (1) Switch TV/CABLE/SAT/DVD Switch to "DVD"
- (2) Press the numeric button "1" of the remote control unit while pressing the "SET UP" button of the remote control unit. Then, press the "ENTER" button, and then release the "SET UP" button.
- (3) Press the "PLAY" button of the main body for five seconds or longer while the main body is in stand-by mode, and a current remote control code of the main body is displayed in FL indicator of the main body.
- (4) While keeping the state of (3), press the "STOP" button of the remote control unit toward the main body.
- (5) The code that was set by the remote control unit blinks for 5 seconds, before the code is set to the main body. When the FL indicator changes to "DVD 1", it shows that the Remote Control Code has been changed to "1".



#### 5.1.1 Setting JIG mode

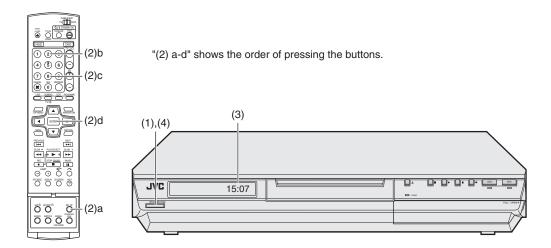
To display SYSTEM INFO or to update firmware, the main body needs to be set to JIG mode.

- (1) Turn the main body ON.
- (2) Press the buttons of the remote control unit attached to product in the following order: "SET UP" → "2" → "8" → "ENTER"
- (3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.



(4) Turn the main body OFF, and then turn it ON again.

\*Once the main body is set to JIG mode, the JIG mode cannot be cancelled even if the power cord is pulled out from the wall socket.



#### 5.1.2 Canceling JIG mode

- (1) Transmit "43-9D" to the main body by using JIG remote control unit.
- (2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.
- (3) Turn the main body OFF, and then turn it ON again.

#### NOTE:

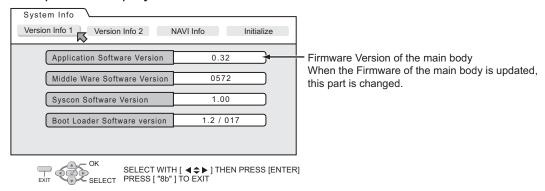
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

#### 5.2 Displaying SYSTEM INFO

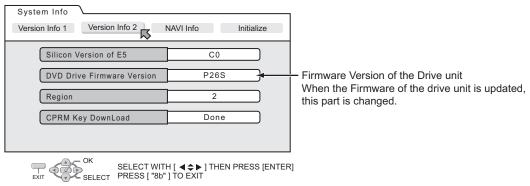
In the SYSTEM INFO there is information including Firmware Versions of the main body and the drive unit.

- (1) Set the main body to JIG mode.
- (2) Transmit "43-8B" to the main body by using JIG remote control unit.
- (3) SYSTEM INFO menu is displayed in the television screen.
- (4) To move cursor in SYSTEM INFO, use the "▲", "▼", "∢", and "▶" buttons of a remote control unit attached to product.

#### The example of a display < Version Info 1 >



### The example of a display < Version Info 2 >



#### NOTE:

Items other than the ones described above are not used in service work.

- (5) To quit the SYSTEM INFO menu, transmit "43-8B" to the main body by using JIG remote control unit.
- (6) Cancel JIG mode.

#### 5.3 Updating the firmware of the main body

- · Firmware update disc supports CD-R media.
- When firmware update is necessary, information is available from the homepage of DIGITAL VIDEO STORAGE CATEGORY, CS group.

#### 5.3.1 Creating an update disc

Please check the details of the update disc creation method by JS-NET.

- (1) Down load the update file from JS-NET. The file name is "hdd u.udx".
- (2) Write the update file into CD-R. Pay attention in the following points when writing the update disc.
- · Make sure to write in "Disc at Once".
- Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved.)
  - If the writing method is not correct, the update results in an error.

#### 5.3.2 Update procedure

There are two methods of updating firmware, using JIG mode <method 1> or not using JIG mode(User update mode) <method 2>.
 Updating can be operated in either method.

#### <Method 1>

- (1) Set to the JIG mode.
- (2) Load the update disc on the tray, and then close the tray.
- (3) When the disc reading operation is completed, transmit "43-70" with the JIG remote control unit.

  If the update disc is not correct, FL indicator displays an "ERROR" after transmitting "43-70". Transmit "43-70" once and make the FL indicator to normal display, and then reload the disc then transmit "43-70" again.
- (4) "UPDATE" is displayed in the FL indicator, and the FL indicator changes to "FL UPDATE" afterwards. It takes approx. 2 minutes for the change.
- (5) Remove the disc as the tray is ejected, and then transmit "43-70" with the JIG remote control unit. Then the FL indicator changes from "UPDATE" to the normal display.
- (6) Close the tray and turn the main body OFF. Pull out the power code from the wall socket, then plug the power cord into the wall socket again.
- (7) When "LOADING" in the FL indicator disappears, turn the main body ON.
- (8) Display the SYSTEM INFO menu, and check the version of the firmware.
- (9) Cancel the JIG mode.

#### <Method 2>

- (1) Turn the power ON. Load the update disc on the tray and close the tray.
- (2) When the disc reading operation is completed, turn the power OFF.
- (3) Keep pressing the "PAUSE" button and the "POWER" button at the same time. (Until FL indicator changes to "UPDATE").
- (4) In approx. 2 minutes the tray is ejected. Remove the disc and close the tray.
- (5) Reset operation is carried out automatically, and it becomes standby condition.
- (6) Then, display the SYSTEM INFO menu in the JIG mode and check the version.

#### 5.4 Updating the firmware of the drive unit

- · Firmware update disc supports only DVD-RAM media.
- When firmware update is necessary, written discs are distributed by DIGITAL VIDEO STORAGE CATEGORY, CS group.
  - (1) Turn the main body ON.
  - (2) Load the update DVD-RAM disc on the tray and close the tray.
  - (3) "READING" is displayed in the FL indicator and the update is started.
  - (4) In a short while "READING" in the FL indicator disappears, open the tray to remove the disc and close the tray.
  - (5) Turn the power OFF and pull out the power code from the wall socket, then plug the power cord into the wall socket again.
  - (6) Set to the JIG mode and check the firmware version of the drive.

#### 5.5 Taking out a disc

#### <Method 1 >

There is a forced tray eject mode with electrical operation.

- (1) Right after plugging in the power code (while "LOADING" is displayed), keep pressing the OPEN/CLOSE button of the main body.
- (2) Remove the disc as the tray is ejected in a short while.
- (3) Make sure to close the tray afterwards.

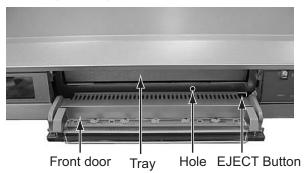
#### <Method 2 >

When the disc cannot be removed by operating above <Method 1 >, open the front door of the main body manually and directly press the EJECT button located in the lower right of the drive unit.

#### <Method 3 >

When neither <Method 1> nor <Method 2> can remove the disc, the tray can be ejected mechanically without turning the power on.

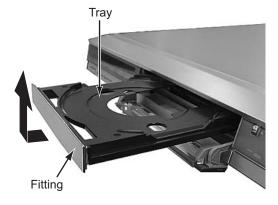
- (1) Open the front door of the main body manually.
- (2) Insert a fine wire (e.g. a straightened paper clip) into the hole in the lower part of the tray of the drive unit.
- (3) As the tray ejects a little, pull out the tray manually.



#### 5.6 Exchanging the fitting

As the fitting that comes with the service drive unit cannot be used, make sure to attach a service fitting when the drive unit is exchanged. The fitting that is removed from the old drive unit can be attached to the new drive unit.

The fitting can be removed by pulling upwards while opening out the lower part of the fitting outwards.



#### 5.7 Initialization to the factory shipment state

When the initialization is operated, internal information changes as follows. It is essential to obtain the client's permission before the operation.

- · All DVD library is all deleted.
- · All the DVD initial settings go back to the initial status.
  - (1) Set to the JIG mode.
  - (2) Transmit "43-6F" with the JIG remote control unit.
  - (3) FL indicator displays "FACTORY", and changes to "CHECK OK" after blinking for a short while.
  - (4) Pull out the power code from the wall socket.
  - (5) The JIG mode is forced to cancel at the same time with the initialization, check whether the JIG mode is canceled by plugging the power code into the wall socket again. (The colon ":" in time display should be continuously ON, not blinking.)

    If the JIG mode is not canceled, transmit "43-9D" with JIG remote control unit to cancel the JIG mode.

#### 5.8 Setting after the drive unit replacement

When the drive unit is replaced, it is necessary to set a region code. Service drive units for replacement are not set for any region code, and they are in an indefinite condition.

Make sure to set region code after attaching the drive unit to the main body.

Without the setting of the region code, discs that have regions cannot be played back.

#### 5.8.1 Creating a region setting disc.

Please check the details of the region setting disc creation method by JS-NET.

- (1) Download the region setting file from JS-NET. The file name is "region.bin".
- (2) Write the region setting file into CD-R. Pay attention in the following points when writing the file into CD-R.
  - · Make sure to write in "Disc at Once".
  - Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved). If the writing method is not correct, the normal setting cannot be performed.

#### 5.8.2 Setting the region

- (1) Set for the JIG mode.
- (2) Load the region setting disc on the tray, and then close the tray.
- (3) When the disc reading operation is completed, transmit "43-70" with the JIG remote control unit.
- (4) FL indicator changes to "UPDATE". Remove the disc as the tray will open for a few seconds.
- (5) Then, check whether the FL indicator is "REGION 2".
- (6) Transmit "43-70" with the JIG remote control unit. When FL indicator changes to "OPEN", close the tray.
- (7) Turn the power OFF, and pull out the power code, and then plug the power code in again.
- (8) Cancel the JIG mode.

# JVC

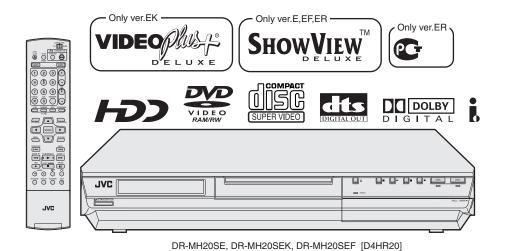
# SCHEMATIC DIAGRAMS

**DVD & HDD VIDEO RECORDER** 

## DR-MH20SE, DR-MH20SEK, DR-MH20SEF DR-MH30SE, DR-MH30SEK DR-MH30SEF, DR-MH30SER

CD-ROM No.SML200409





Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

DR-MH30SE, DR-MH30SEK, DR-MH30SEF, DR-MH30SER [D4HR25]

#### **CHARTS AND DIAGRAMS**

#### **NOTES OF SCHEMATIC DIAGRAM**

#### Safety precautions

The Components indentified by the symbol  $\triangle$  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

#### 1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).

Chip resistors are 1/16 W.

K:  $K\Omega(1000\Omega)$ , M:  $M\Omega$  (1000 $K\Omega$ )

- 2) All capacitance values are in µF, (P: PF).
- 3) All inductance values are in µH, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.

When replacing the parts, refer to the Parts List.

#### 2. Indications of control voltage

AUX: Active at high.

AUX or AUX(L): Active at low.

#### 3. Interpreting Connector indications

Removable connector

Wire soldered directly on board

Non-removable Board connector

Board to Board

Connected pattern on board
The arrows indicate signal path

Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

#### 4. Voltage measurement

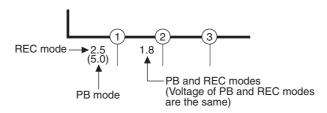
1) Regulator (DC/DC CONV) circuits REC : Colour bar signal.

PB : Alignment tape (Colour bar).

Unmeasurable or unnecessary to measure.

2) Indication on schematic diagram

Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

#### 6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.





#### 7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

#### **CIRCUIT BOARD NOTES**

#### 1. Foil and Component sides

Foil side (B side):
 Parts on the foil side seen from foil face (pattern face) are indicated.

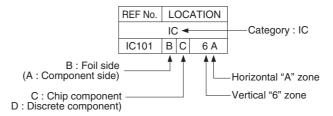
2) Component side (A side):

Parts on the component side seen from component face (parts face) indicated.

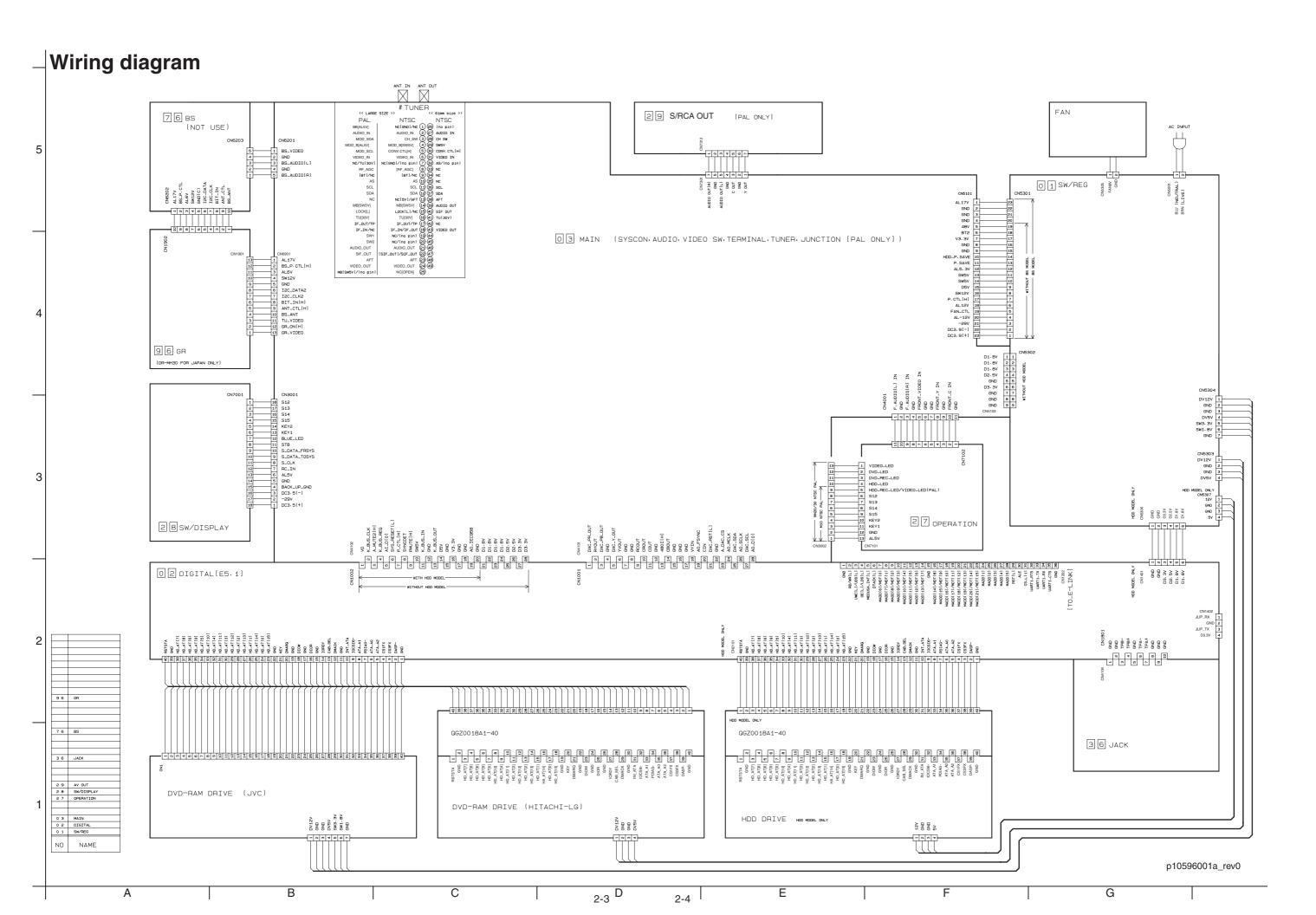
rts location are indicated by guide scale on the circuit board.

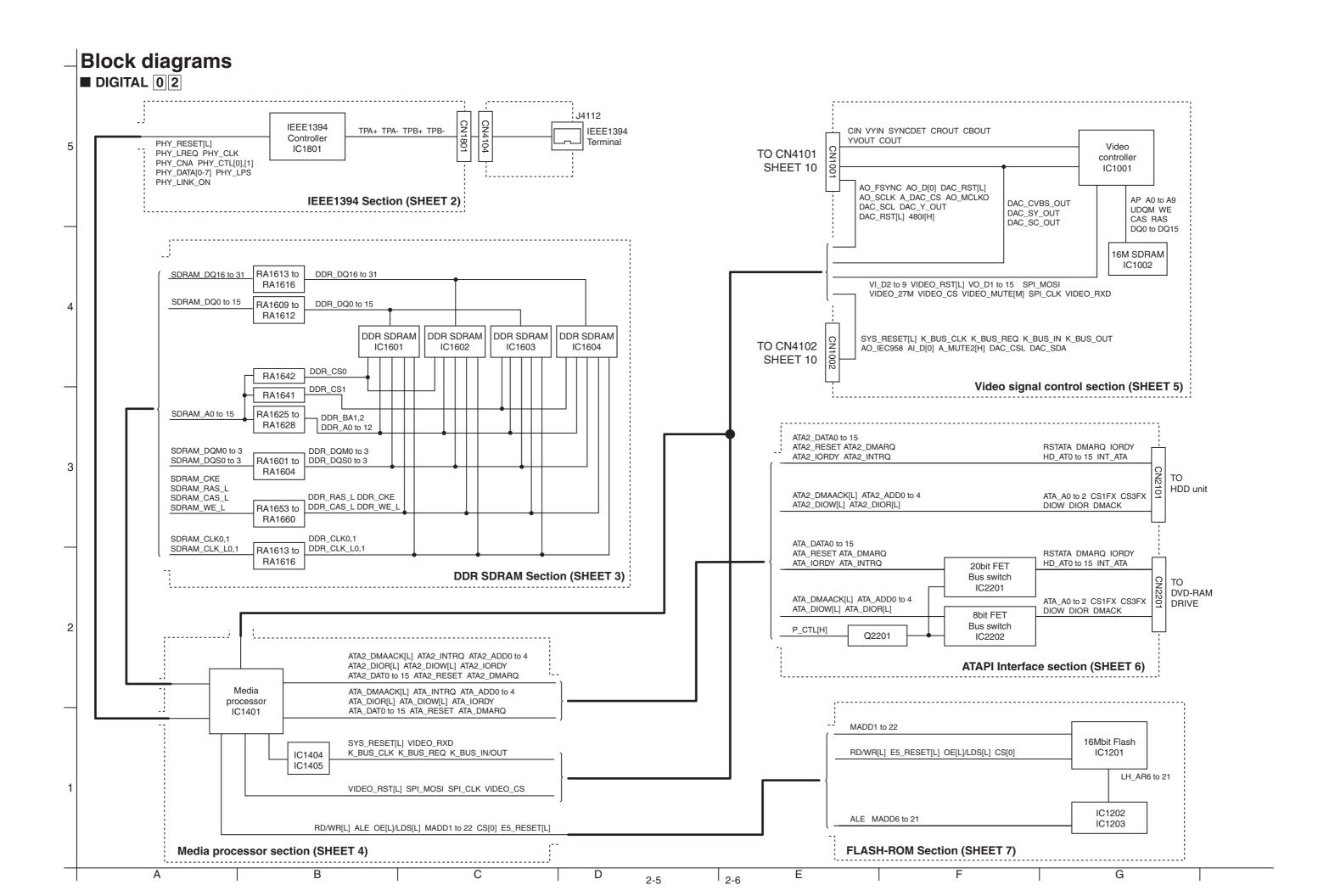
#### 2. Parts location guides

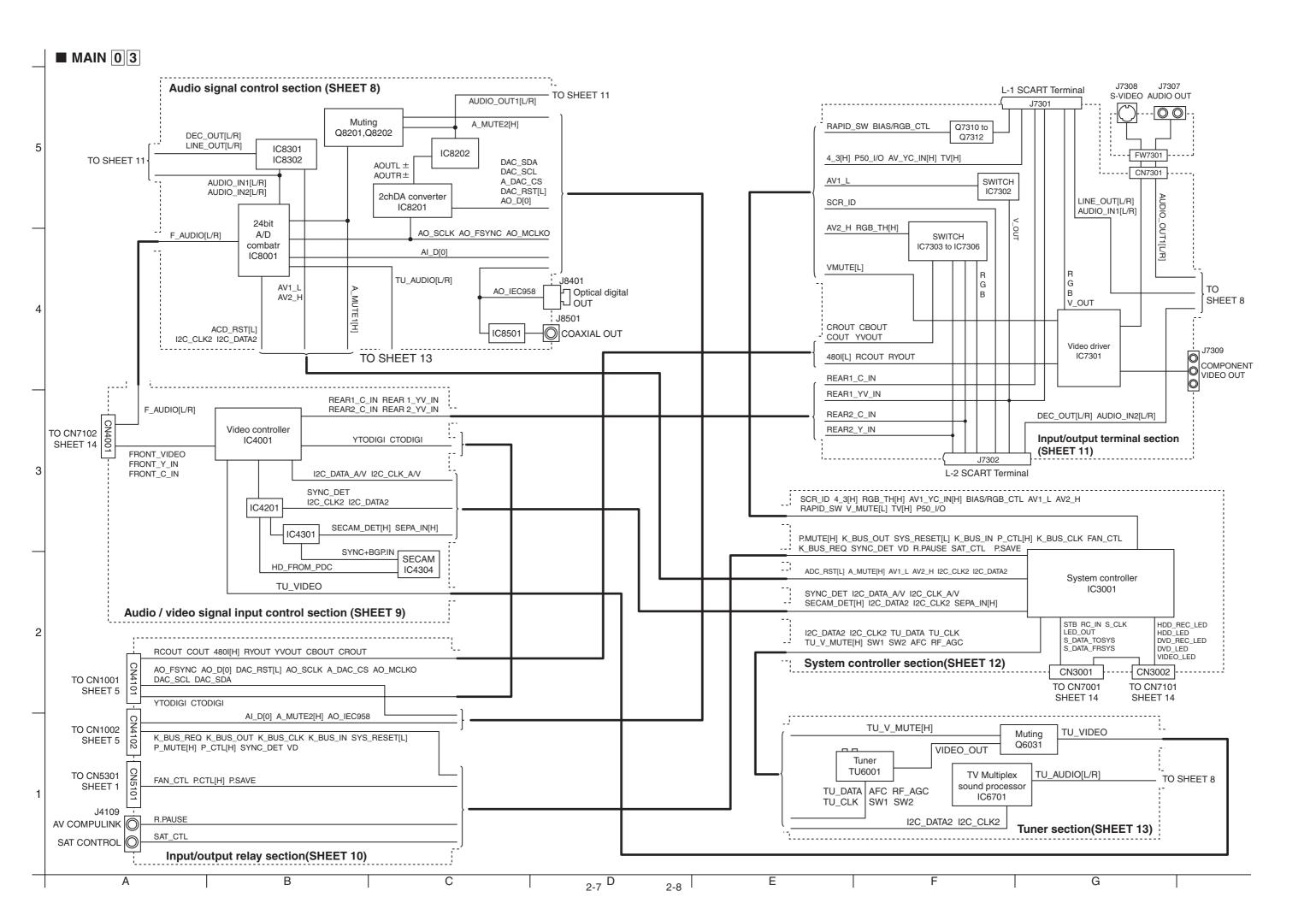
Parts location are indicated by guide scale on the circuit board.

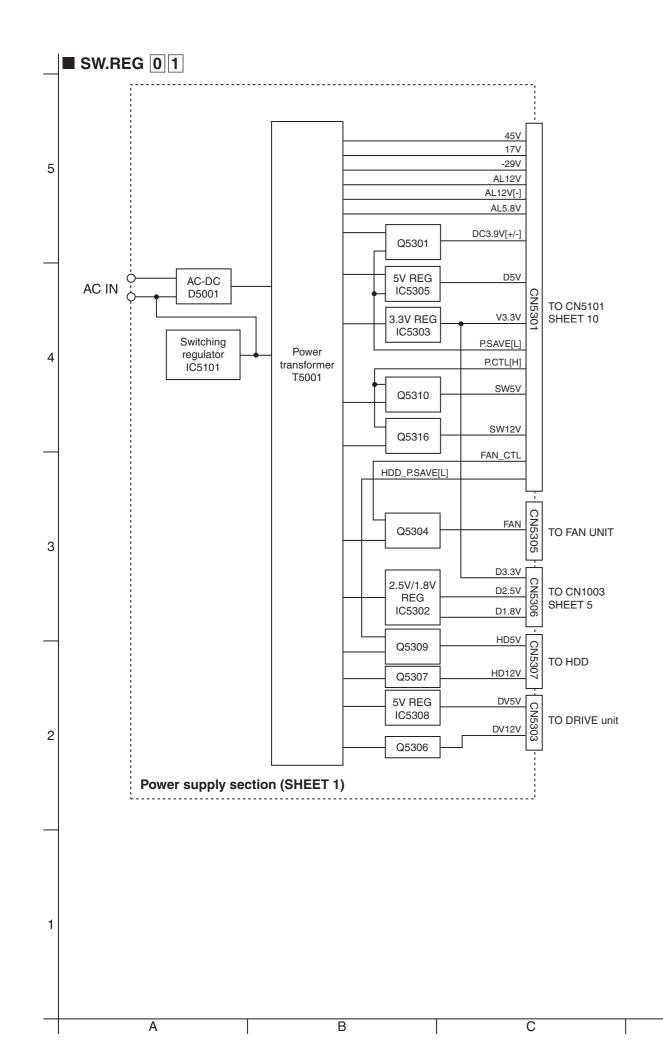


Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

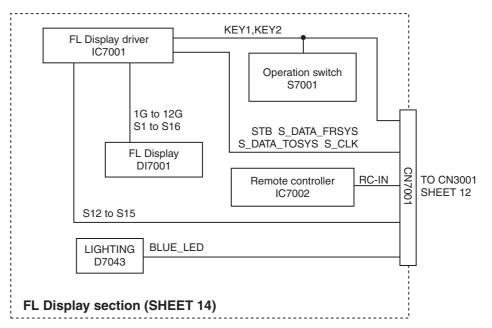






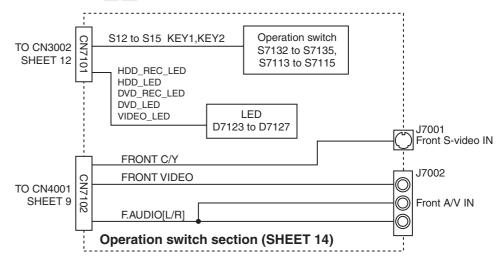


### ■ SW/DISPLAY 28

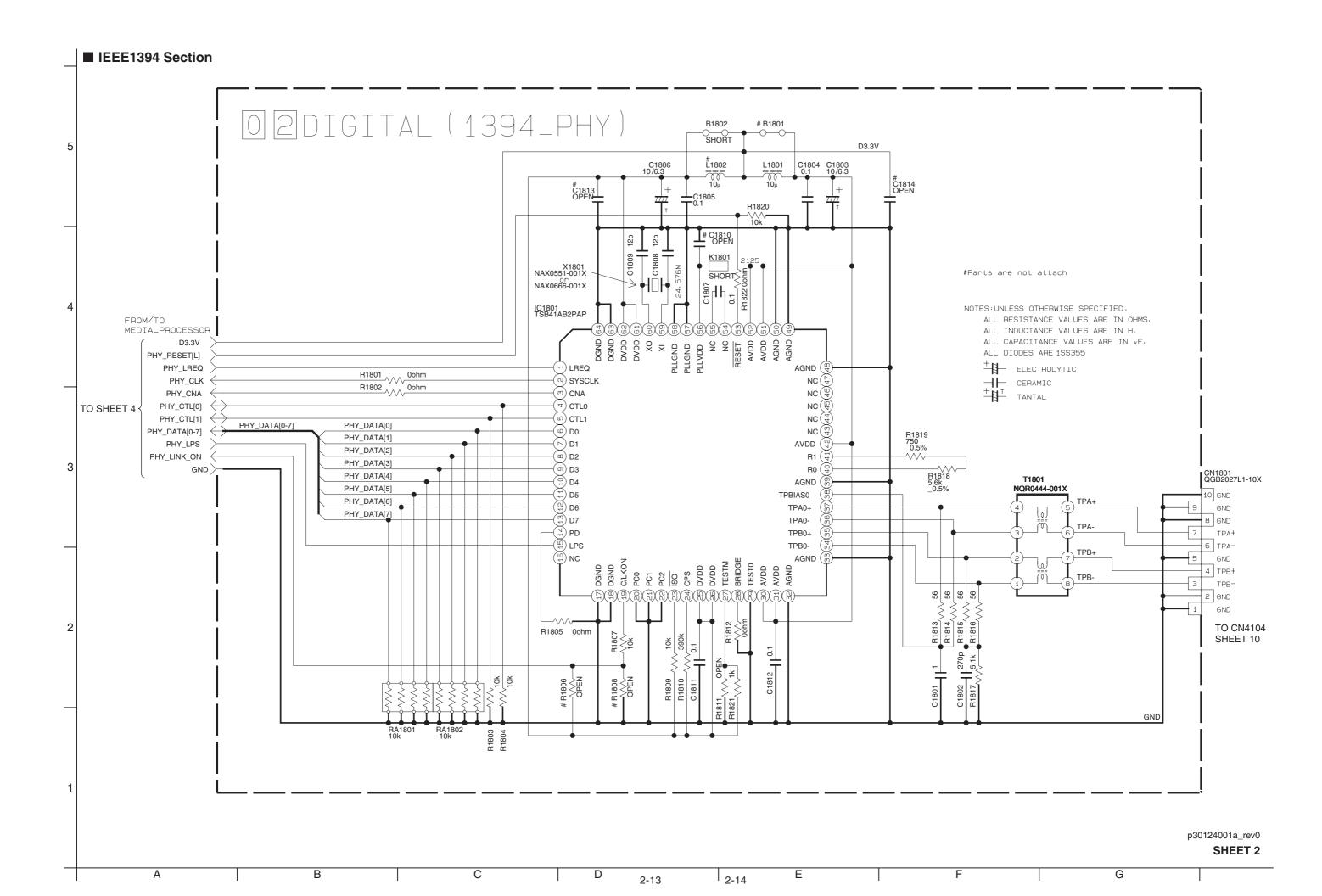


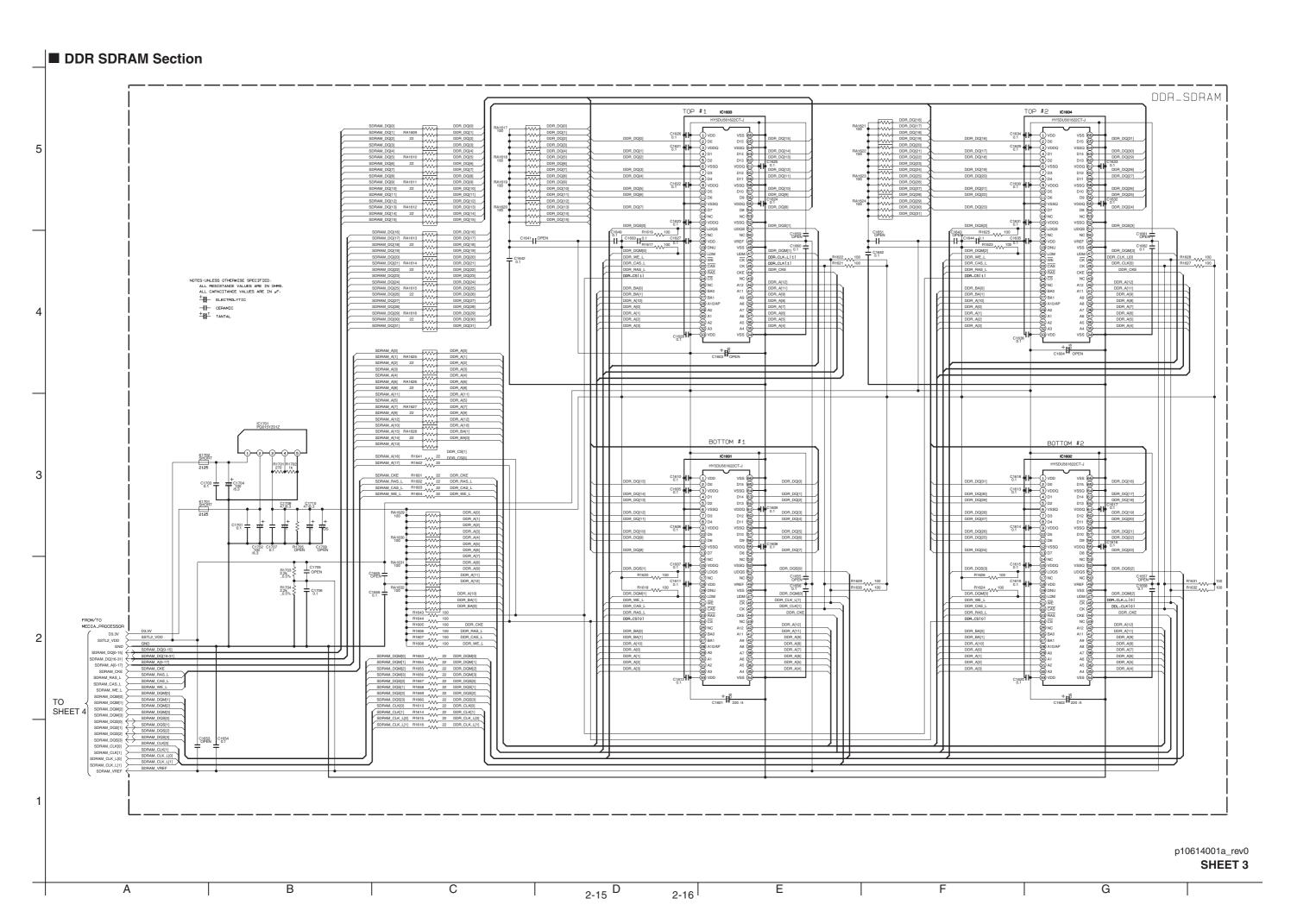
### ■ OPERATE 2 7

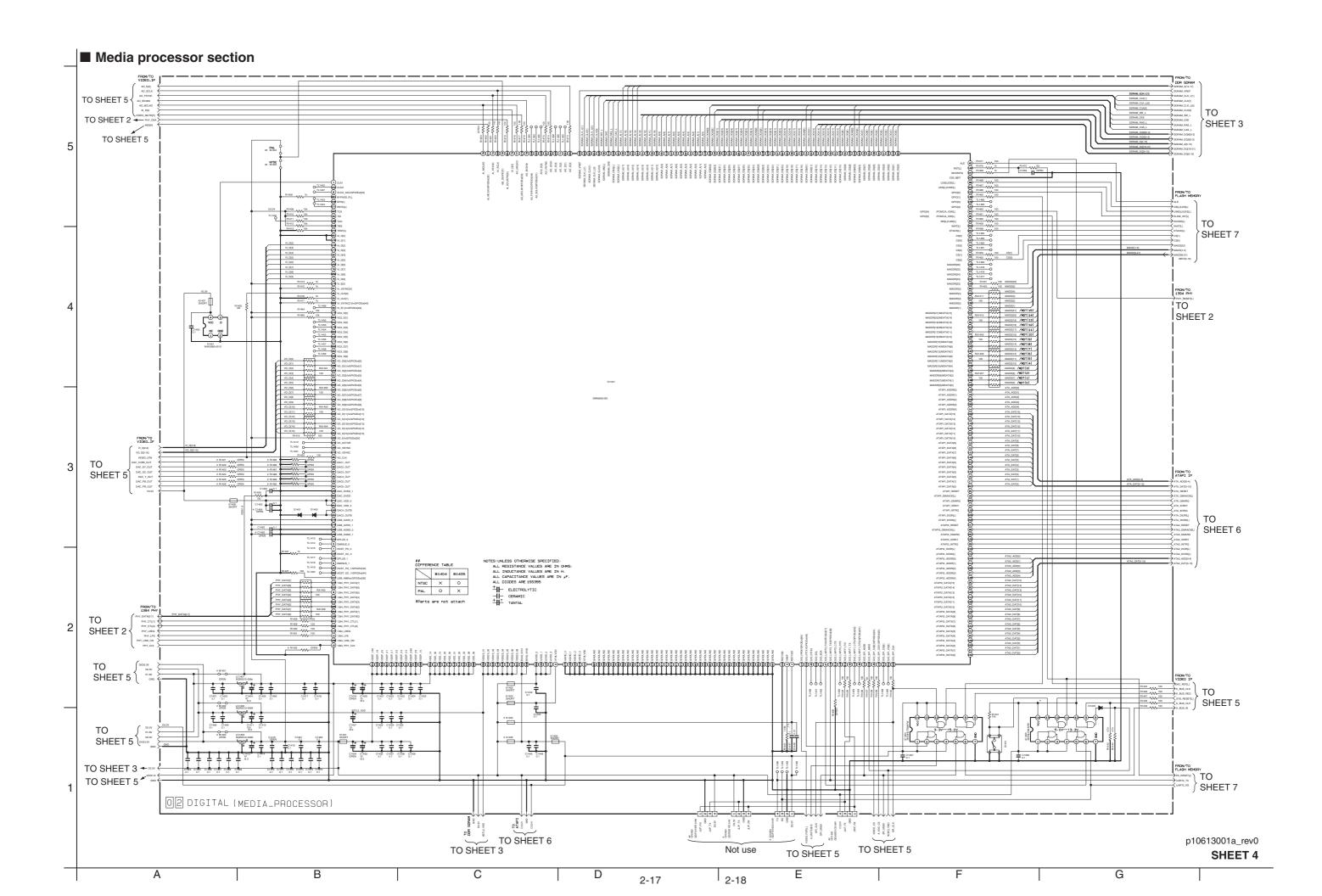
2-10

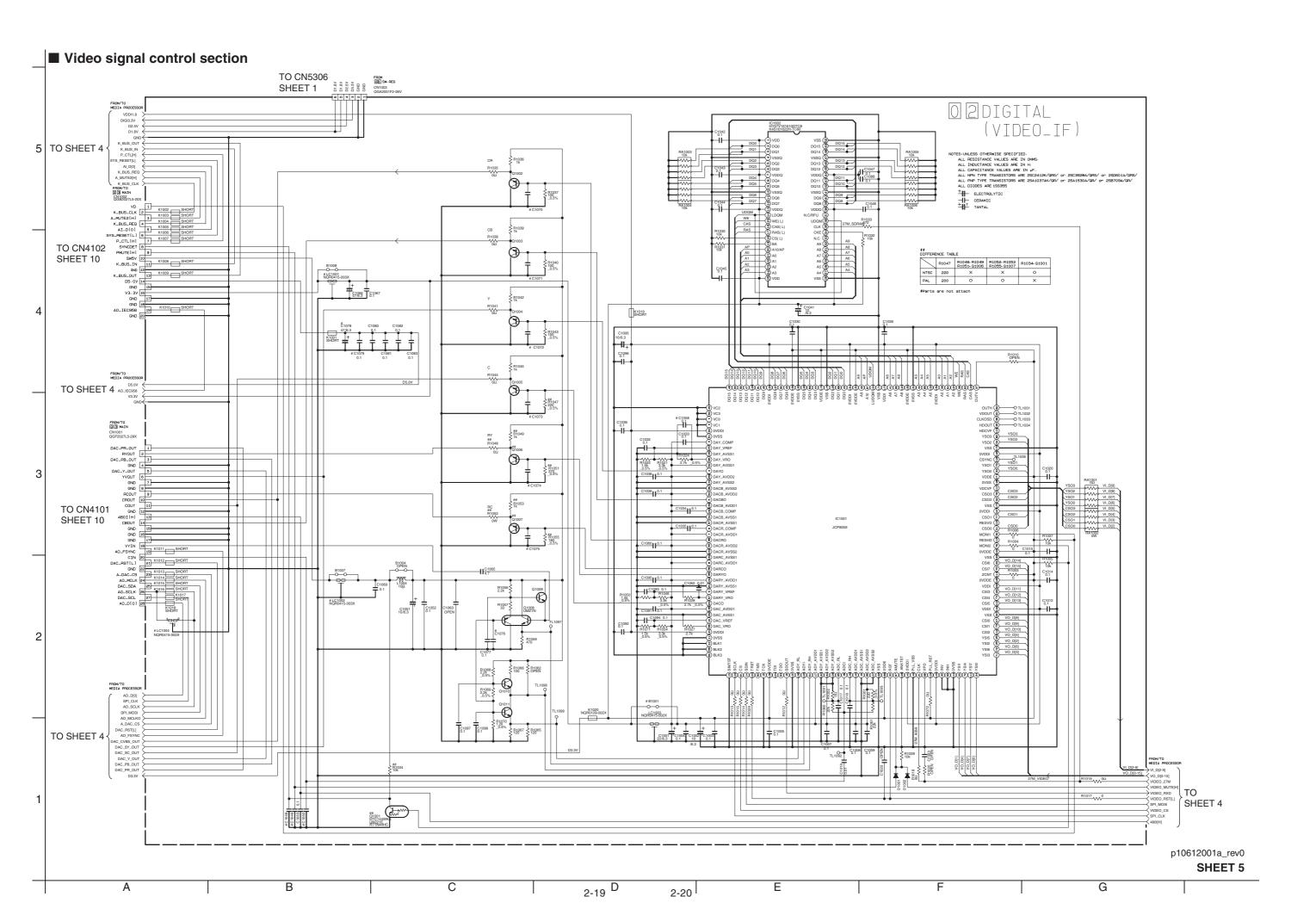


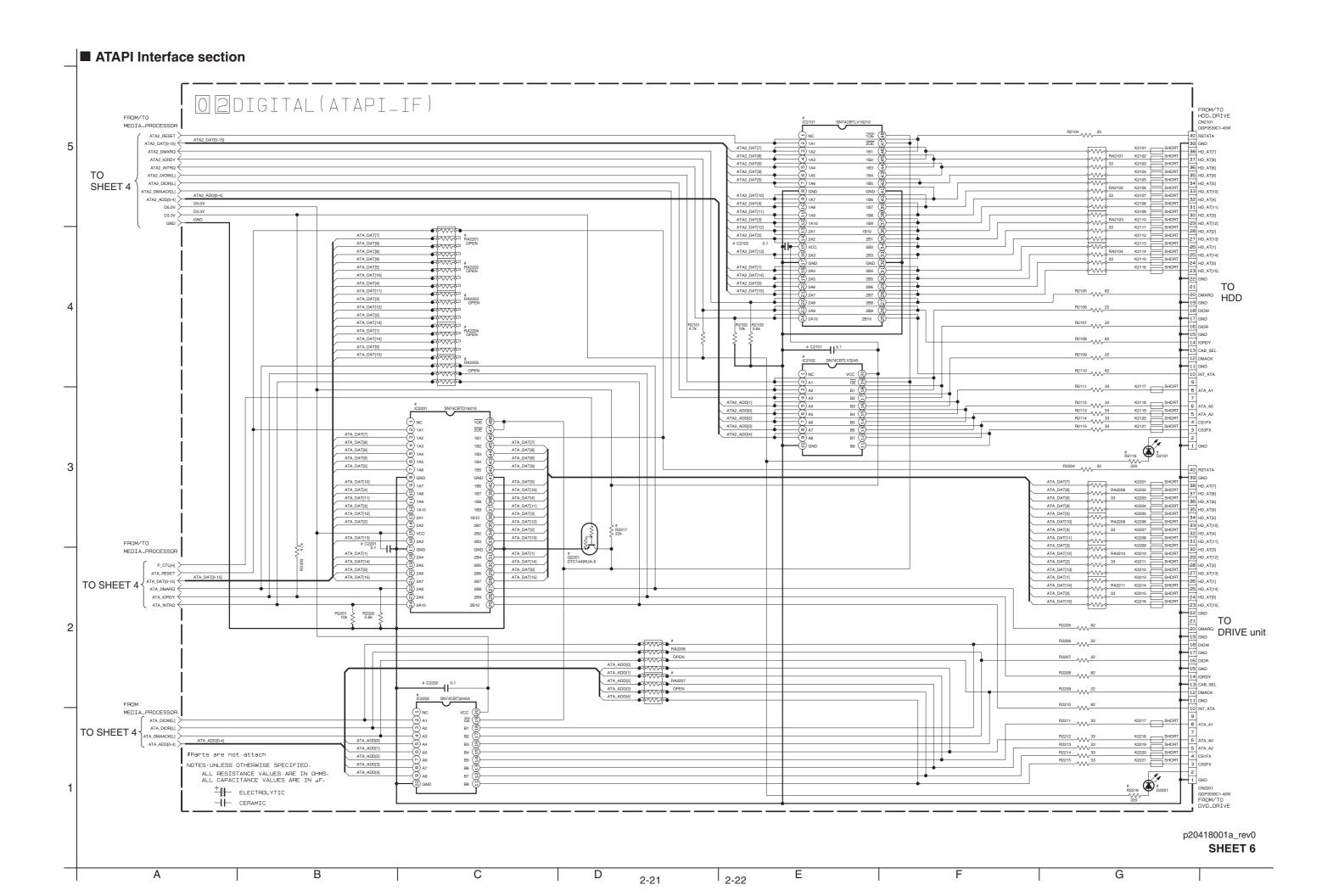
#### Standard schematic diagrams ■ Power supply section 1 DC3.9V[+] 2 DC3.9V[-] 0 1 SW.REG 3 -29V - 4 AL12V[-] - 5 FAN\_CTL 5 FAN\_CIL 6 AL12V 7 P.CTL[H] 8 SW12V 9 D5V 10 SW5V 11 SW5V 12 AL5.8V TO CN5101 FR R5307 47 1/4W **DANGEROUS VOLTAGE** D5302 1SS133 1SS270A R5308 680 R5320 100 1/2W R5321 10k ≥ R5323 2.2k 13 P.SAVE[L] 14 HDD\_P.SAVE[L 15 GND 16 GND 17 V3.3V 18 BT2 R5109 47 1/4W Q5307 2SA1585S/QR/ ## D5316 ## BL2Z ## S329 390 2W Q5306 2SA1585S/QR/ 2SA2585S/QR/ 22 GND 23 17V D5101 SARS01 R5310 10k R5313 470 TO FAN UNIT R5336 1.2k (L) R5317 470 ČN5303 TO DRIVE(JR2) D5317 RK14 21DQ04 SB240 2 GND TO DVD-RAM GND DRIVE $\Lambda$ 1 DV12V 2 GND 3 GND 4 DV5V 5 DV3.3V 6 DV1.8V 7 GND Not use ≥ R5301 SG5001 (GAP) C5316 22/50 TO HDD unit $\Lambda$ ♠ Parts are safety assurance parts. 1 GND 2 GND 3 D3.3V 4 D2.5V When replacing those parts make TO CN1003 R5335 sure to use the specified one. R5333 3.3k SHEET 5 ##MARK ELEMENTS ARE NOT MOUNTED. NOTES:UNLESS OTHERWISE SPECIFIED. ALL RESISTANCE VALUES ARE IN OHMS. ALL INDUCTANCE VALUES ARE IN H. ALL CAPACITANCE VALUES ARE IN #F-Y40 DRIVE US WITH 2700 + ELECTROLYTIC AUTO NTSC AUTO PAL p20405001a\_rev0 NON POLAR SHEET 1 \* Refer to the "JR2 DRIVE" column of a table for this model 2-11 D G 2-12

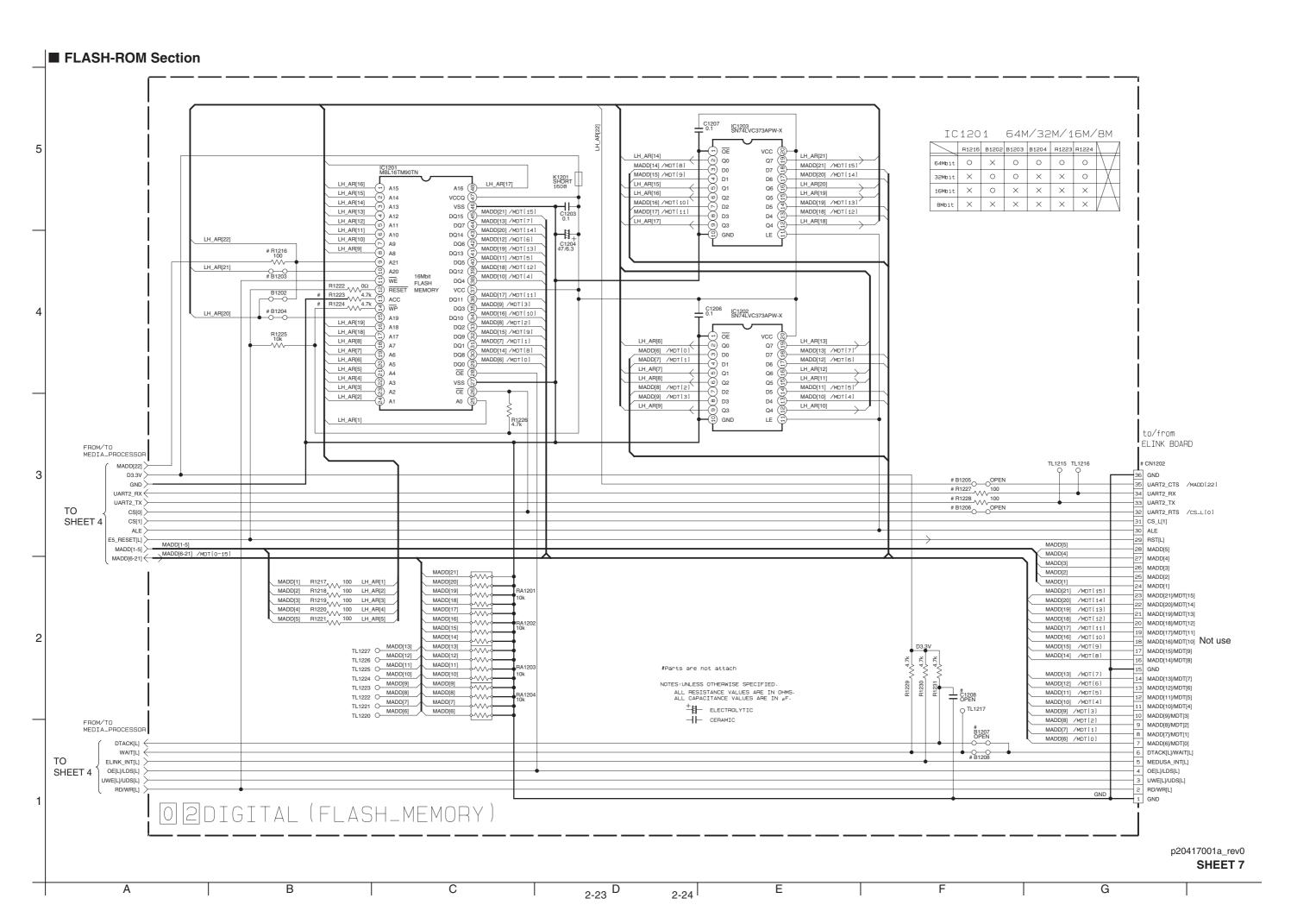


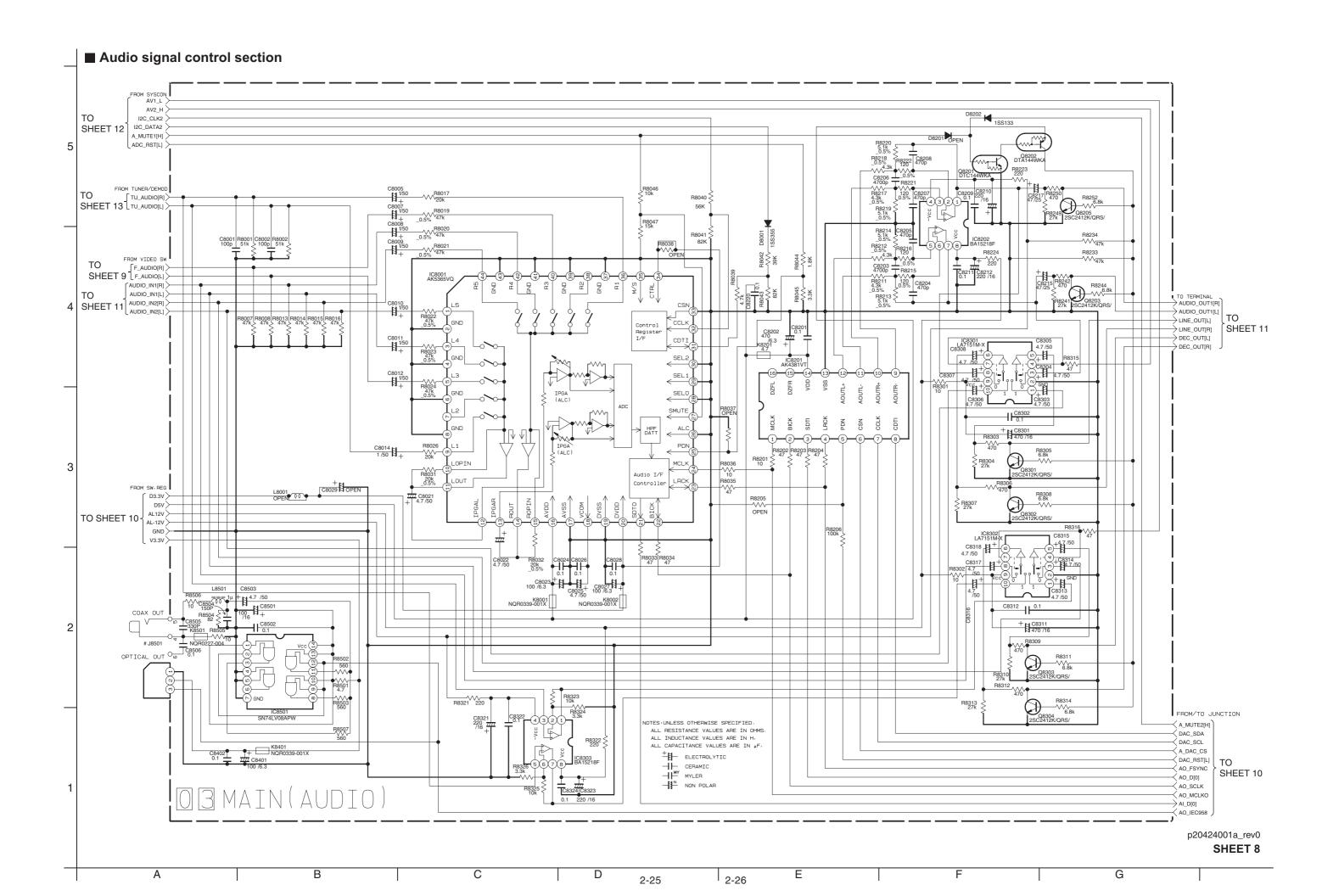


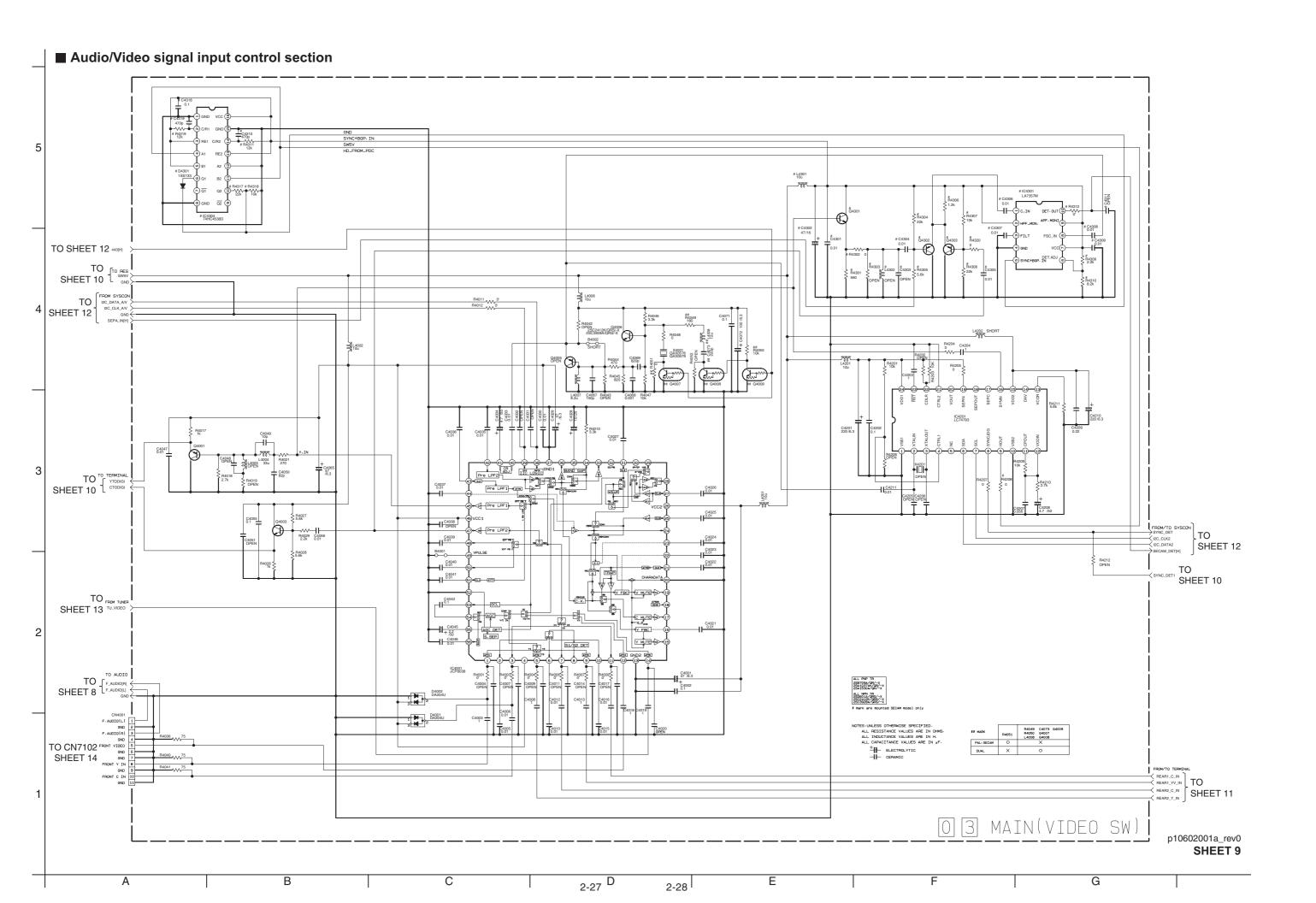


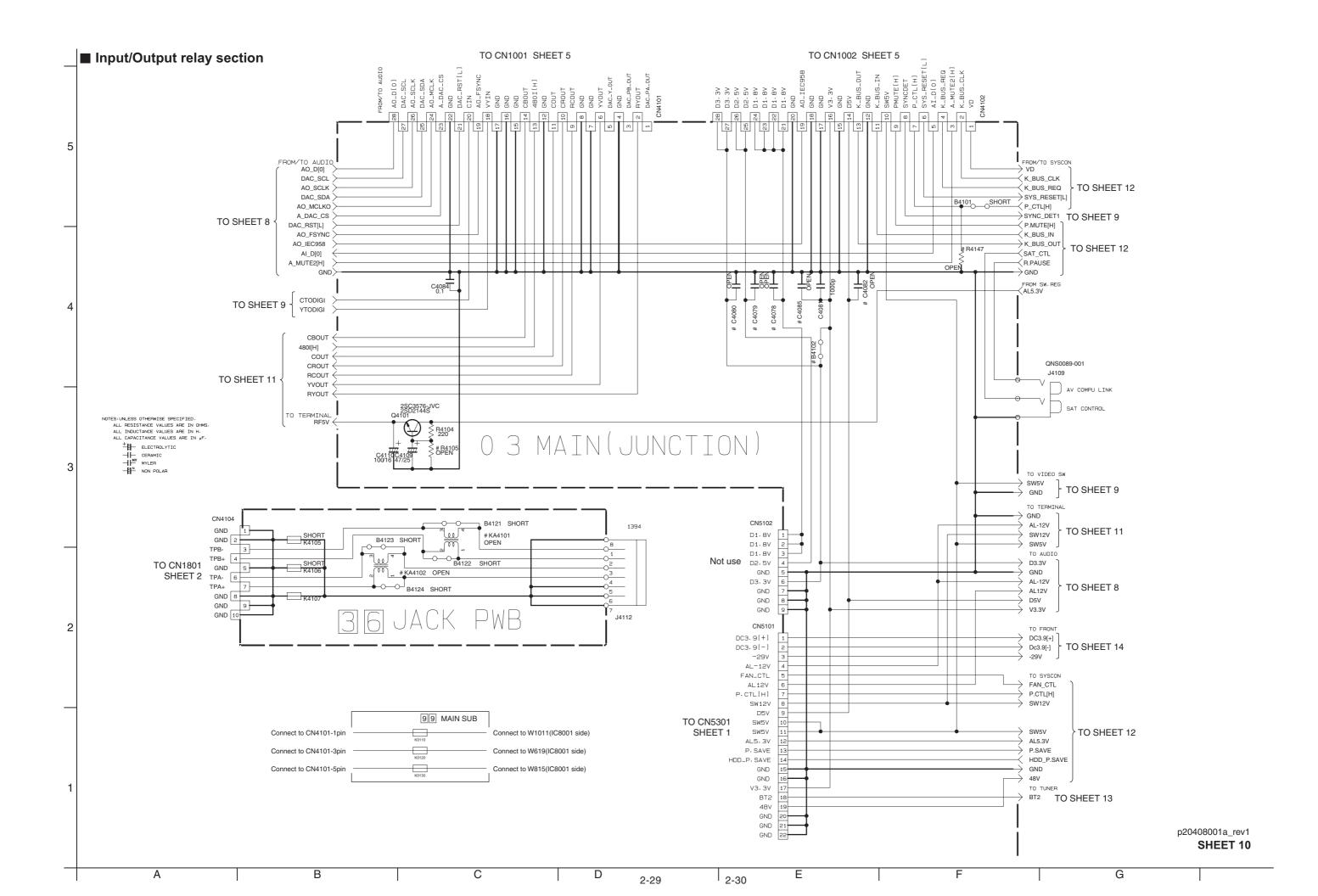


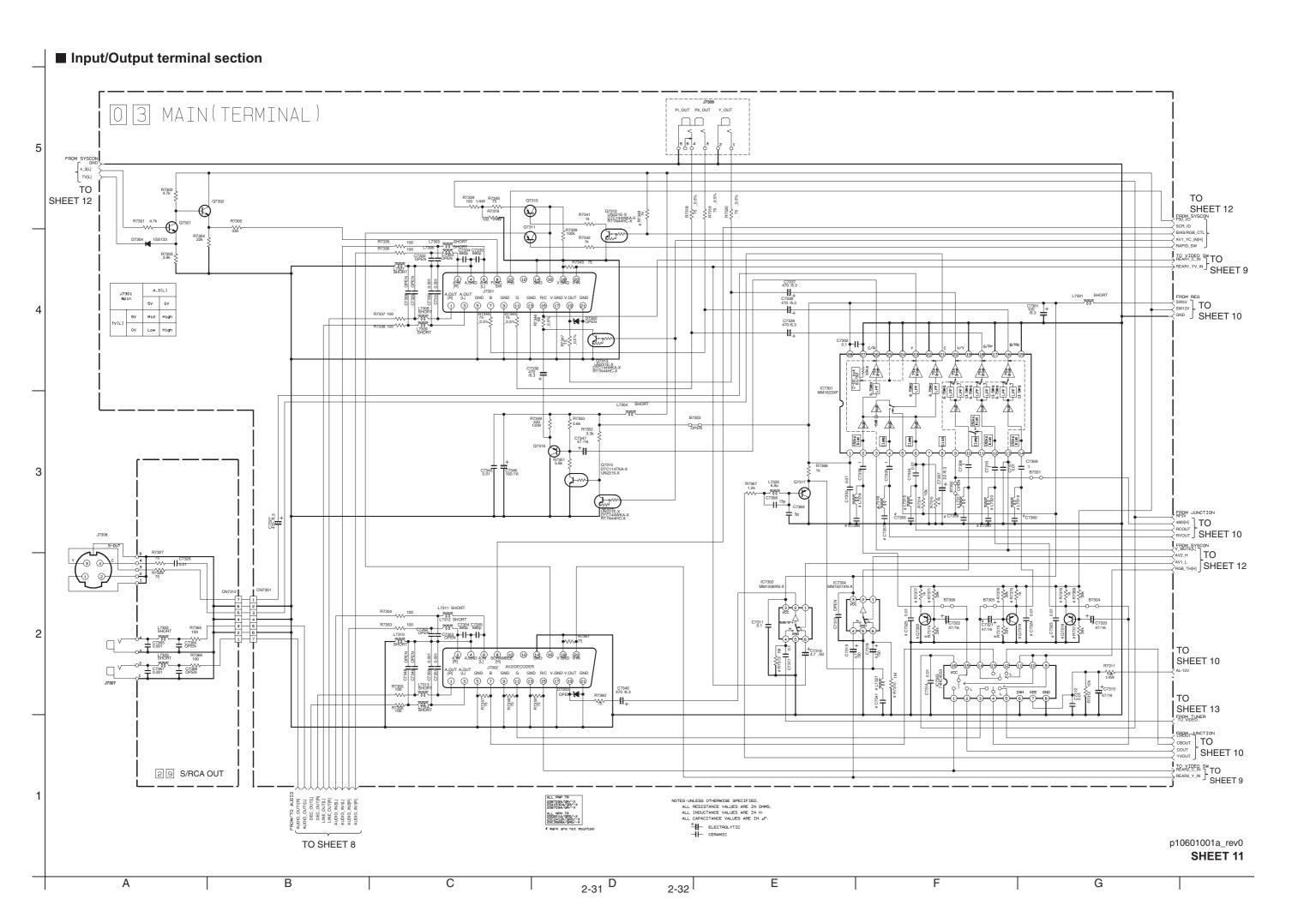


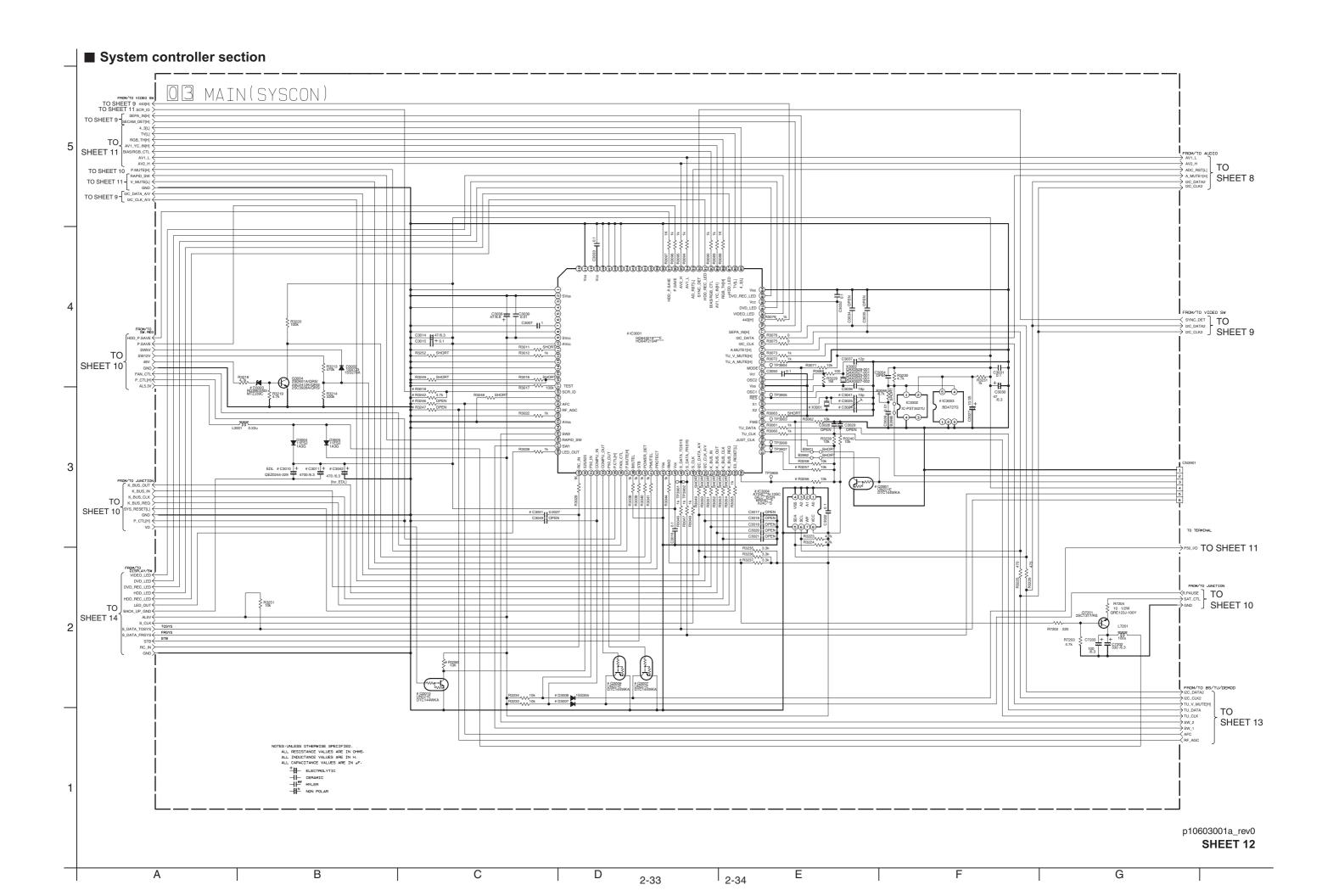


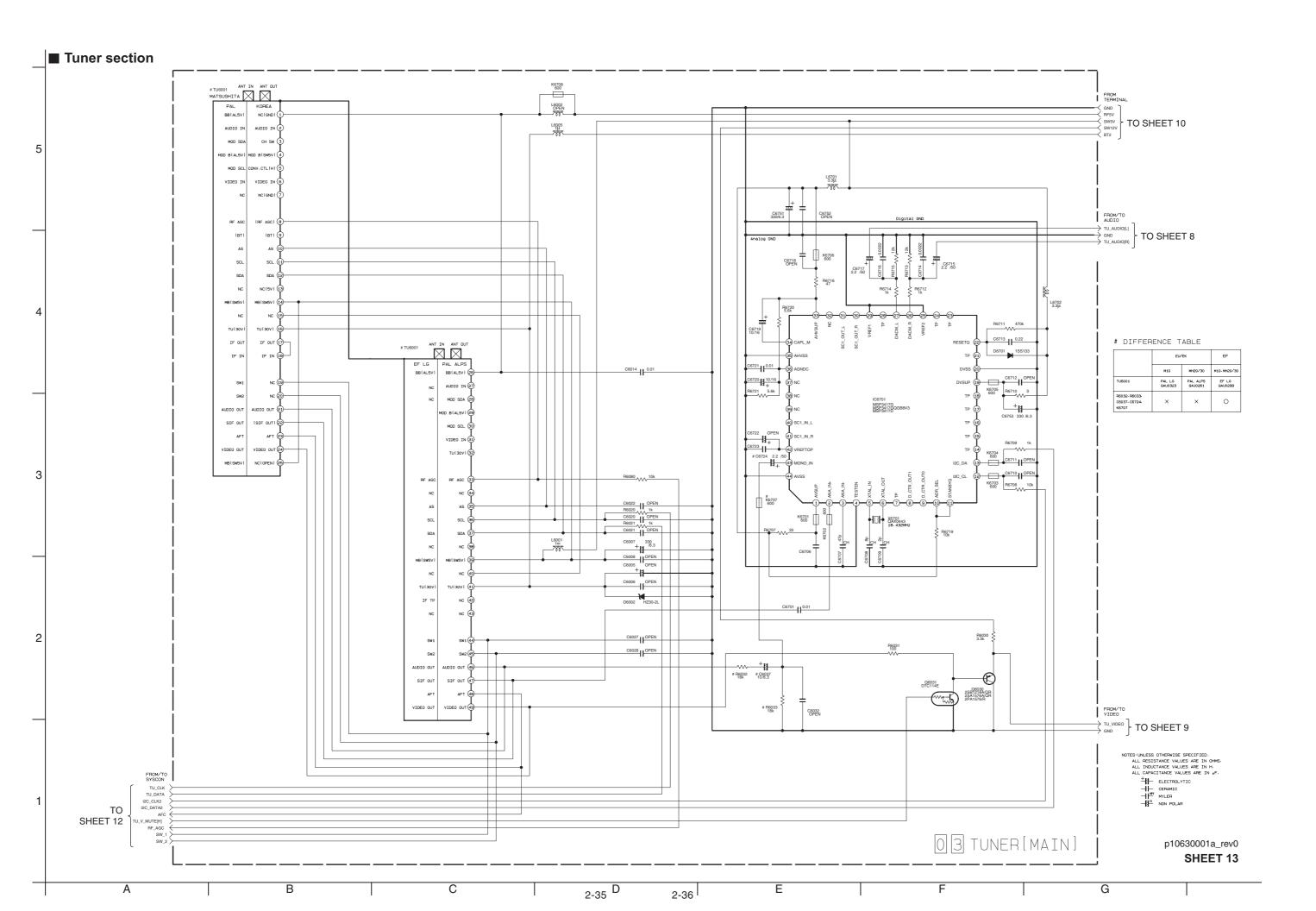


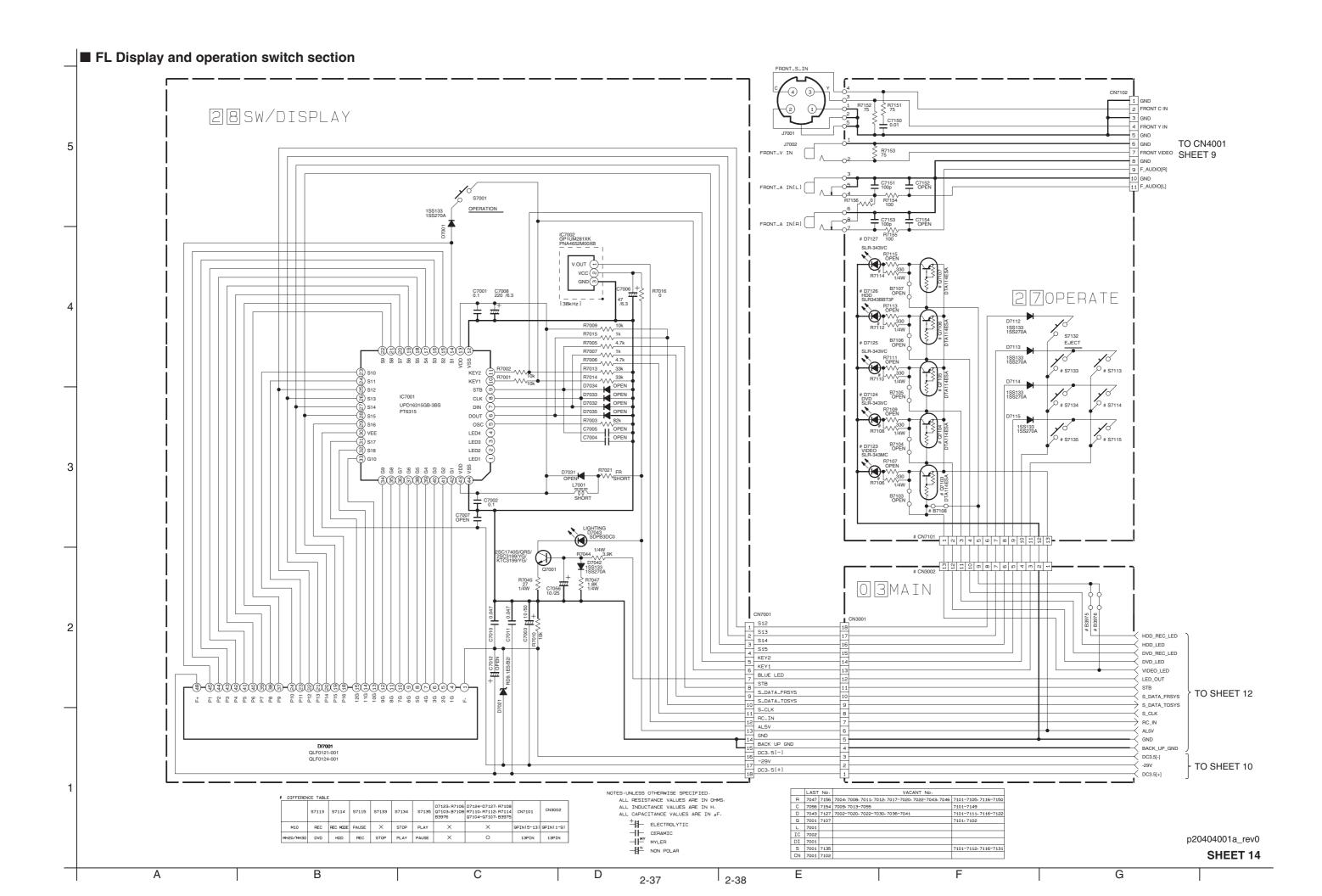






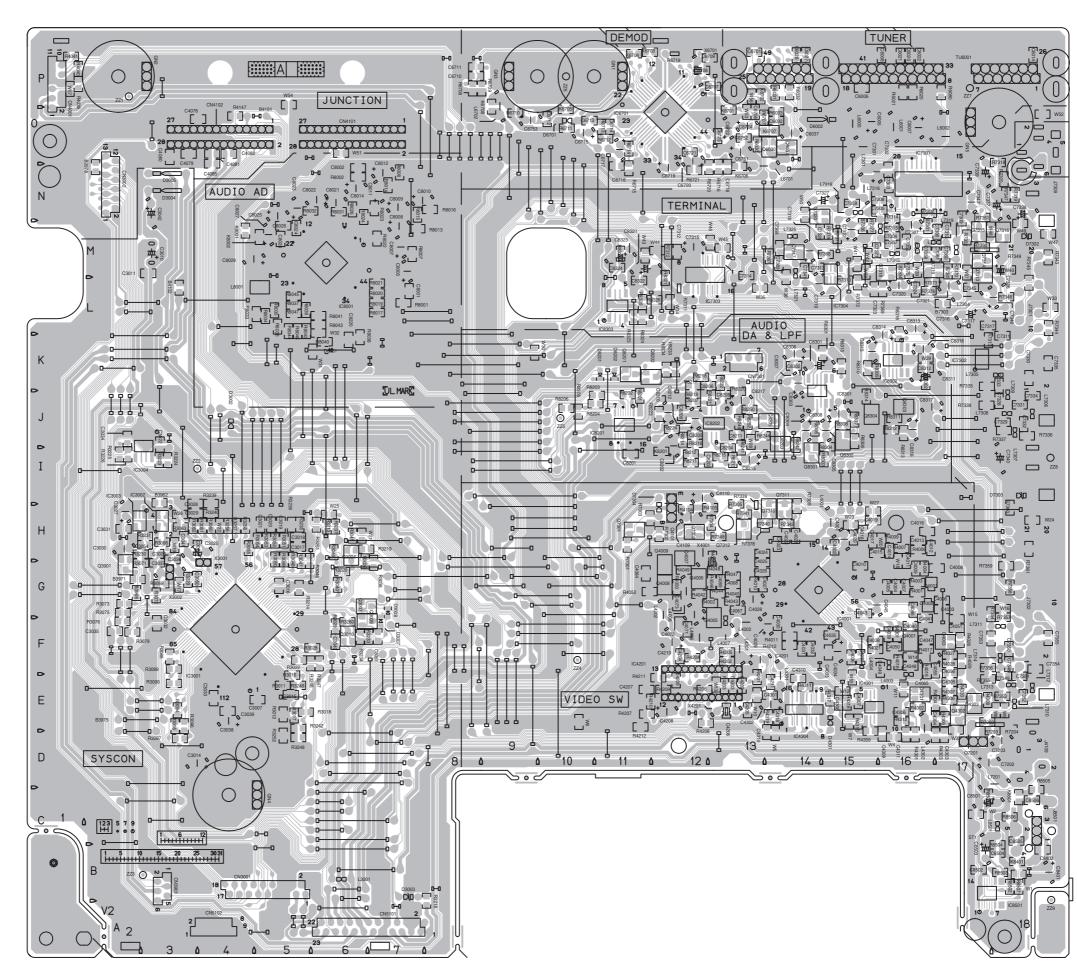






## **Printed circuit boards**

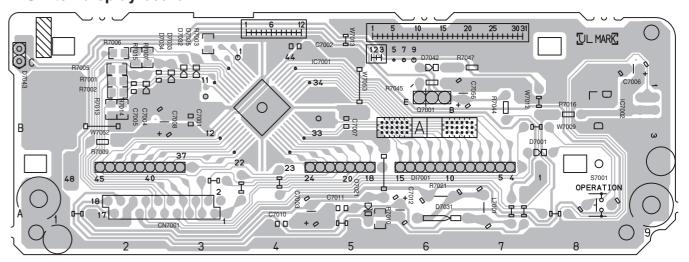
■ Main board <03> LPB10239-001C



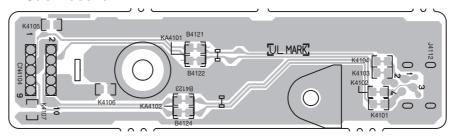
#### COMPONENT PARTS LOCATION GUIDE <MAIN> LPB10239-0010

COMI	PONENT	PART	S LOCA	ATION	<b>GUIDE</b>	<mai< th=""><th>N&gt; LPB</th><th>10239</th><th>-001C</th><th></th><th></th><th></th><th></th><th></th></mai<>	N> LPB	10239	-001C					
REF.NO	. LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NC	. LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCA	TION
CAPAC	ITOR	C4304	B C 17E	C8014	A D 6N	L4201	A D 13F	R3094	B C 3E	R7007	B C 10C	R8242	ВС	; 14J
C3007	B C 5E		B C 17E	C8021	A D 6N		A D 12G	R3095	B C 3E	R7014	B C 10B	R8244	B C	
C3010 C3011	A D 3N B C 3N	C4306 C4307	B C 16E B C 15E	C8022 C8023	A D 6N A D 5N		A D 14F A D 16D	R3096 R3097	B C 3E B C 3D	R7015 R7202	B C 10C B C 17E	R8249 R8250	B C	
C3014	A D 4D	C4308	B C 15E	C8024	B C 5M	L6001	A D 160	R3213	B C 6H	R7203	B C 18E	R8252	ВС	13J
C3015 C3016	B C 5E B C 5G		B C 16D B C 14E	C8025 C8026	A D 5N B C 5M	L6002 L6005	A D 170 A D 150	R3214 R3218	B C 5G B C 8B	R7204 R7301	A D 18E B C 11H	R8301 R8302	B C	
C3017	B C 5H	C4311	B C 16D	C8027	A D 5M	L6701	A D 13N	R3219	B C 6H	R7302	B C 12H	R8303	ВС	
C3018	B C 5H	C4318	B C 14E	C8028	B C 5M		A D 9P	R3220	B C 6G	R7303	B C 11H	R8304	ВС	
C3019 C3020	B C 5H B C 5H	C4319 C6005	B C 14D A D 15O	C8029 C8201	A D 5M B C 11I	L7201 L7301	A D 18D A D 15N	R3223 R3224	B C 3I	R7304 R7305	B C 13H B C 13I	R8305 R8306	B C	
C3021	B C 5F		B C 15P	C8202	A D 121	L7302	A D 190	R3225	B C 21	R7309	B C 14H	R8307	ВС	
C3022	B C 3.		A D 160	C8203	B C 13I	L7304	A D 17L	R3226	B C 2I	R7310	B C 15L	R8308	ВС	
C3024 C3025	B C 4F A D 4F	C6008	B C 16P B C 18P	C8204 C8205	B C 13I B C 12J		A D 17K A D 18J	R3229 R3230	B C 3G B C 3H	R7311 R7312	A D 12L B C 12M	R8309 R8310	B C	
C3026	B C 3F	C6020	B C 16P	C8206	B C 13K	L7307	A D 18J	R3231	B C 3H	R7313	B C 17K	R8311	ВС	16J
C3027 C3028	A D 2F B C 3	C6021 C6022	B C 16P B C 16P	C8207 C8208	B C 12J B C 13J		A D 18J A D 18J	R3233 R3234	B C 7F B C 6F	R7314 R7315	B C 16N B C 16M	R8312 R8313	B C	
C3029	B C 3F		B C 14P	C8209	B C 12J		A D 18E	R3235	B C 5H	R7318	B C 180	R8314	ВС	
C3030	A D 2H	C6028	B C 14P	C8210	A D 12J		A D 17F	R3236	B C 5H	R7319	B C 18N	R8315	ВС	
C3031 C3032	B C 2F B C 3F	C6032 C6037	B C 140 A D 140	C8211 C8212	B C 13J A D 12J		A D 18E A D 18E	R3237 R3239	B C 6H B C 4I	R7320 R7335	B C 18N B C 17K	R8316 R8321	B C	
C3033	B C 4E	C6701	B C 13P	C8215	A D 13I	L7314	A D 18F	R3240	B C 4H	R7336	B C 18J	R8322	ВС	11M
C3034 C3035	B C 2. B C 2F	C6706 C6707	B C 13O B C 13P	C8217 C8220	A D 13J B C 6K		A D 16M A D 16M	R3242 R3246	B C 5E B C 6F	R7337 R7338	B C 18J B C 17J	R8323 R8324	B C	
C3036	B C 3F	C6708	B C 12P	C8301	A D 15K		A D 16M	R3247	B C 6F	R7339	A D 13I	R8325	ВС	
C3037	B C 3G		B C 13P	C8302	B C 14K		A D 15N	R3248	B C 5D	R7340	B C 14H	R8326	ВС	
C3038 C3039	A D 4E B C 4E	C6710 C6711	B C 8P B C 8P	C8303 C8304	A D 14J A D 14J		A D 17M A D 16M	R3249 R3251	B C 5E B C 6H	R7341 R7342	B C 13H B C 14H	R8501 R8502	B C	
C3041	B C 3F	C6712	B C 100	C8305	A D 15J		A D 1010	R3252	B C 5D	R7343	B C 19M	R8503	ВС	
C3042	A D 3N	C6713	B C 100	C8306	A D 14K		A D 14M	R3256	B C 4H	R7344	B C 19L	R8504	ВС	
C3049 C3050	B C 6F B C 3G	C6714 C6715	B C 110 A D 100	C8307 C8308	A D 14K A D 15J	L8001 L8501	B C 5L A D 18C	R3257 R3258	B C 4H B C 4H	R7345 R7346	B C 18L B C 18L	R8505 R8506	B C	
C3051	B C 7F	C6716	B C 11N	C8311	A D 16K			R3260	B C 6F	R7347	B C 18N	R8507	B C	
C3054	B C 3F	C6717	A D 110	C8312	B C 16K			R4001	B C 16G	R7348	B C 13H			
C4001 C4002	A D 15F B C 15F		B C 13N A D 12N	C8313 C8314	A D 16L A D 16K	Q3004 Q3007	B C 6H B C 6G	R4003 R4004	B C 16G B C 16G	R7349 R7350	A D 17M B C 17M	OTHER GN1	A D	10P
C4003	B C 170	C6720	A D 120	C8315	A D 15K	Q3009	B C 6F	R4006	B C 16H	R7351	B C 17N	GN2	A D	2P
C4004 C4005	B C 160		B C 120 A D 130	C8316 C8317	A D 16K A D 17J		B C 6F	R4007 R4009	B C 16H B C 16H	R7352 R7353	B C 17M B C 18E	GN3 GN4	A D	
C4005	B C 170		B C 130	C8317	A D 173	Q4001	B C 16F	R4009	B C 13G	R7354	B C 17G	GN5	A D	
C4007	B C 16G		A D 130	C8321	A D 11M		B C 17F	R4011	B C 14F	R7355	B C 17E	J4109	A D	
C4008 C4009	B C 17G B C 16G		A D 130 B C 130	C8322 C8323	B C 11L A D 11M	Q4005 Q4006	B C 13F	R4012 R4017	B C 14F B C 16F	R7356 R7357	B C 17F B C 18G	J7301 J7309	A D	
C4003	B C 15G		A D 90	C8324	B C 11M		B C 12H	R4018	B C 16F	R7358	B C 18G	J8501	A D	
C4011	B C 160		A D 17D	C8401	A D 19B		B C 12G	R4019	B C 16F	R7359	B C 18G	K6701	ВС	
C4012 C4013	B C 16F B C 16F		A D 18D A D 15N	C8402 C8501	B C 18B A D 18C	Q4009 Q4101	B C 12G	R4021 R4026	B C 15F B C 17F	R7360 R7361	B C 18H B C 18H	K6702 K6703	B C	
C4014	B C 16H	C7302	B C 16N	C8502	B C 17B	Q4301	B C 16E	R4027	B C 17F	R7367	B C 14M	K6704	ВС	11P
C4015 C4016	B C 15F B C 16F		B C 16N B C 16M	C8503 C8504	A D 17C B C 18B	Q4302 Q4303	B C 17E B C 17E	R4028 R4029	B C 17F B C 17F	R7368 R7369	B C 15M B C 16L	K6705 K6706	B C	
C4017	B C 15F		B C 16N	C8505	B C 18C	Q6030	B C 140	R4036	B C 171	R7370	B C 17M	K6707	ВС	
C4018	B C 15H		B C 17M	C8506	B C 18C		B C 140	R4040	B C 1P	R7371	B C 15M	K6708	ВС	
C4019 C4020	B C 15F B C 15F		A D 16M B C 16N	CONNEC	CTOR	Q7001 Q7201	A D 140 A D 170	R4041 R4042	B C 1P B C 12G	R7372 R7373	B C 15L B C 16L	K8001 K8002	B C	
C4021	B C 14H	C7309	B C 17N	CN3001	A D 5B	Q7301	B C 11H	R4043	B C 13G	R7374	B C 15M	K8201	ВС	121
C4022 C4023	B C 14F B C 14F		B C 17M B C 18K	CN3002 CN3901	A D 2N A D 3B	Q7302 Q7310	B C 12H B C 14H	R4044 R4045	B C 13G B C 13G	R7375 R7376	B C 16M B C 16L	K8401 K8501	B C	
C4023	B C 13F		B C 12M	CN4001	A D 10	Q7311	B C 14H	R4046	B C 13G	R7377	B C 15M	PC0954	ВС	
C4025	B C 13G		B C 14M	CN4101	A D 70	Q7312	B C 13H	R4047	B C 13G	R7378	A D 14H	PC0958	ВС	
C4026 C4027	B C 13G B C 13G		B C 13M A D 12M	CN4102 CN5101	A D 50 A D 7A	Q7313 Q7314	B C 17M B C 17M	R4048 R4049	B C 13G B C 12G	R8001 R8002	B C 7L B C 6N	TP3901 TP3902	B C	
C4028	A D 13G	C7316	A D 17L	CN5102	A D 3A	Q7315	B C 17M	R4050	B C 12G	R8007	B C 7M	TP3903	ВС	31
C4029 C4030	A D 14F B C 14F	C7317 C7318	B C 17L A D 14M	CN7301	A D 13K	Q7316 Q7317	B C 18M B C 14M	R4051 R4052	B C 13H B C 11G	R8008 R8013	B C 7N B C 7M	TP3904 TP3905	B C	
C4030	B C 14F	C7319	A D 14W	DIODE		Q7317	B C 16M	R4104	B C 12H	R8014	B C 7N	TP3906	ВС	
C4032	B C 14F	C7320	A D 16L	D3002	A D 4J		B C 16M	R4105	B C 13H	R8015	B C 7N	TP3907	ВС	
C4033 C4034	B C 15F A D 15F	C7321 C7322	A D 17L A D 15M	D3003 D3004	A D 7B A D 3N	Q7320 Q8201	B C 14N B C 11K	R4147 R4201	B C 40 B C 13E	R8016 R8017	B C 8N B C 7L	TP3908 TU6001	B C	
C4035	B C 15F	C7323	B C 15L	D3005	A D 3N	Q8202	B C 12K	R4202	B C 13F	R8019	B C 7L	X3001	A D	4G
C4036 C4037	B C 15F B C 15F		B C 16L B C 14M	D3007	B C 7F B C 7G	Q8203 Q8205	B C 14J B C 14J	R4203 R4204	B C 13E B C 12F	R8020 R8021	B C 7L B C 7L	X3002 X4001	A D	3G 13G
C4037	B C 15F		A D 15N		B C 16G		B C 14	R4205	B C 13F	R8022	B C 7M	X4201		13E
C4039	B C 16F		B C 18J	D4002	B C 16G		B C 15J	R4206	B C 12E	R8023	B C 7N	X6701	A D	12P
C4040 C4041	B C 16F B C 16F		B C 18J B C 18K	D4301 D6002	A D 15E A D 14O		B C 16J B C 15J	R4207 R4208	B C 11E B C 12E	R8024 R8026	B C 6N B C 6N			
C4043	B C 15G	C7331	B C 18J	D6701	A D 100			R4209	B C 12E	R8031	B C 6N			
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C4046 C4047	B C 166 B C 16F		B C 18K B C 18J	D7302 D7303	A D 18M A D 18I		B C 5E B C 5E	R4211 R4212	B C 12E B C 11E	R8033 R8034	B C 5L B C 5L	l		
C4048	B C 16F	C7335	B C 19K	D7304	A D 12H	R3016	B C 5E	R4301	B C 16D	R8035	B C 5L	l		
C4049 C4050	B C 16F B C 16F		A D 18M A D 18N	D8001 D8201	B C 6K B C 11K		B C 5E B C 5E	R4302 R4303	B C 16E B C 17D	R8036 R8037	B C 5L B C 5L			
C4051	B C 17F		A D 18N	D8202	B C 11K		B C 5F	R4304	B C 17E	R8038	B C 6K			
C4055	B C 17F		A D 17N			R3028	B C 6F	R4305	B C 17E	R8039	B C 5L			
C4056 C4065	B C 17F A D 17F		A D 18I B C 14M	IC3001	B C 4F	R3029 R3038	B C 6F B C 7G	R4306 R4307	B C 17E B C 17E	R8040 R8041	B C 6K B C 6L	l		
C4067	B C 13G	C7345	B C 17L	IC3002	B C 3H	R3039	B C 6G	R4308	B C 17E	R8042	B C 5L			
C4068 C4069	B C 13G		A D 18L A D 17N	IC3003	B C 2H B C 3J		B C 6G B C 6H	R4309 R4310	B C 15D B C 15E	R8043 R8044	B C 6L B C 5L			
C4069 C4071	B C 13G		B C 18F	IC3004 IC4001	B C 14G		B C 6H	R4311	B C 15E	R8044 R8045	B C 5L			
C4072	A D 12G	C7349	B C 18E	IC4201	A D 13E	R3046	B C 5G	R4312	B C 16E	R8046	B C 5L			
C4073 C4078	B C 120		B C 18F B C 18E	IC4301 IC4304	B C 15E B C 14E		B C 5G B C 5H	R4317 R4318	B C 15E B C 15E	R8047 R8201	B C 5L B C 11J			
C4079	B C 3C	C7352	B C 18E	IC6701	B C 120	R3049	B C 5H	R4319	B C 14E	R8202	B C 11J	l		
C4080 C4081	B C 3C	C7353	B C 17F B C 18F	IC7301	B C 16N B C 17K		B C 5H B C 5H	R4320 R6020	B C 17E B C 16P	R8203 R8204	B C 11J B C 11J			
C4081 C4082	B C 4C		B C 18F B C 19F	IC7302 IC7303	B C 17K		B C 5H B C 5H	R6020 R6021	B C 16P	R8204 R8205	B C 11J B C 10J			
C4084	B C 110	C7356	B C 16M	IC7304	B C 15M	R3053	B C 5H	R6030	B C 130	R8206	B C 10J			
C4085 C4109	B C 4C A D 12F		B C 16M B C 16M	IC8001 IC8201	B C 6M B C 11J		B C 5H B C 4H	R6031 R6032	B C 14P B C 14P	R8211 R8212	B C 12I B C 12I	l		
C4110	A D 12	C7359	B C 15N	IC8202	B C 13J	R3060	B C 4H	R6033	B C 140	R8213	B C 13I	l		
C4201	A D 13F	C7360	B C 17M	IC8301	B C 14J	R3061	B C 4H	R6080	B C 17P	R8214	B C 12J			
C4202 C4203	B C 13E B C 13E		B C 17M B C 14M	IC8302 IC8303	B C 16K B C 11L		B C 3H B C 3H	R6707 R6708	B C 130 B C 8P	R8215 R8216	B C 13I B C 12J			
C4204	B C 12F	C7369	B C 14M	IC8503	B C 17B	R3066	B C 3H	R6709	B C 9P	R8217	B C 12K			
C4205	B C 13E	C7371	B C 15M	CC"		R3069	B C 3G	R6710	B C 90	R8218	B C 12K			
C4206 C4207	B C 13E B C 11E		B C 7L B C 6N	COIL L3001	A D 6B	R3071 R3072	B C 3G B C 3G	R6711 R6712	B C 100 B C 110	R8219 R8220	B C 12J B C 13J	l		
C4208	A D 12E	C8005	A D 7M	L4001	A D 15H	R3073	B C 2G	R6713	B C 110	R8221	B C 13J			
C4209 C4210	B C 12E A D 12F		A D 7M A D 7M	L4002 L4003	A D 13F A D 16E		B C 2G B C 2F	R6714 R6715	B C 110 B C 11N	R8222 R8223	B C 13K B C 12J			
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C4301	B C 14E		A D 7N	L4006	A D 12F		B C 3F	R6719	A D 12P	R8233	B C 12K			
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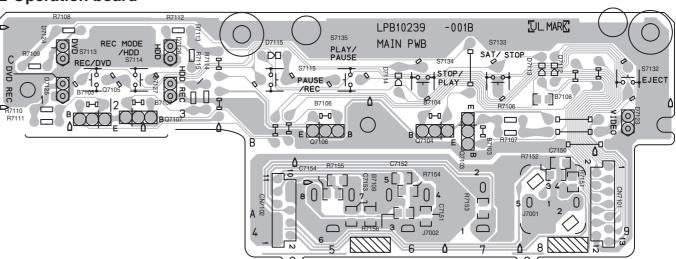
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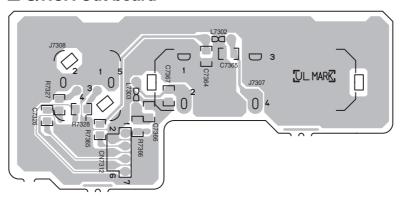
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#### ■ Operation board <27> LPB10239-001C

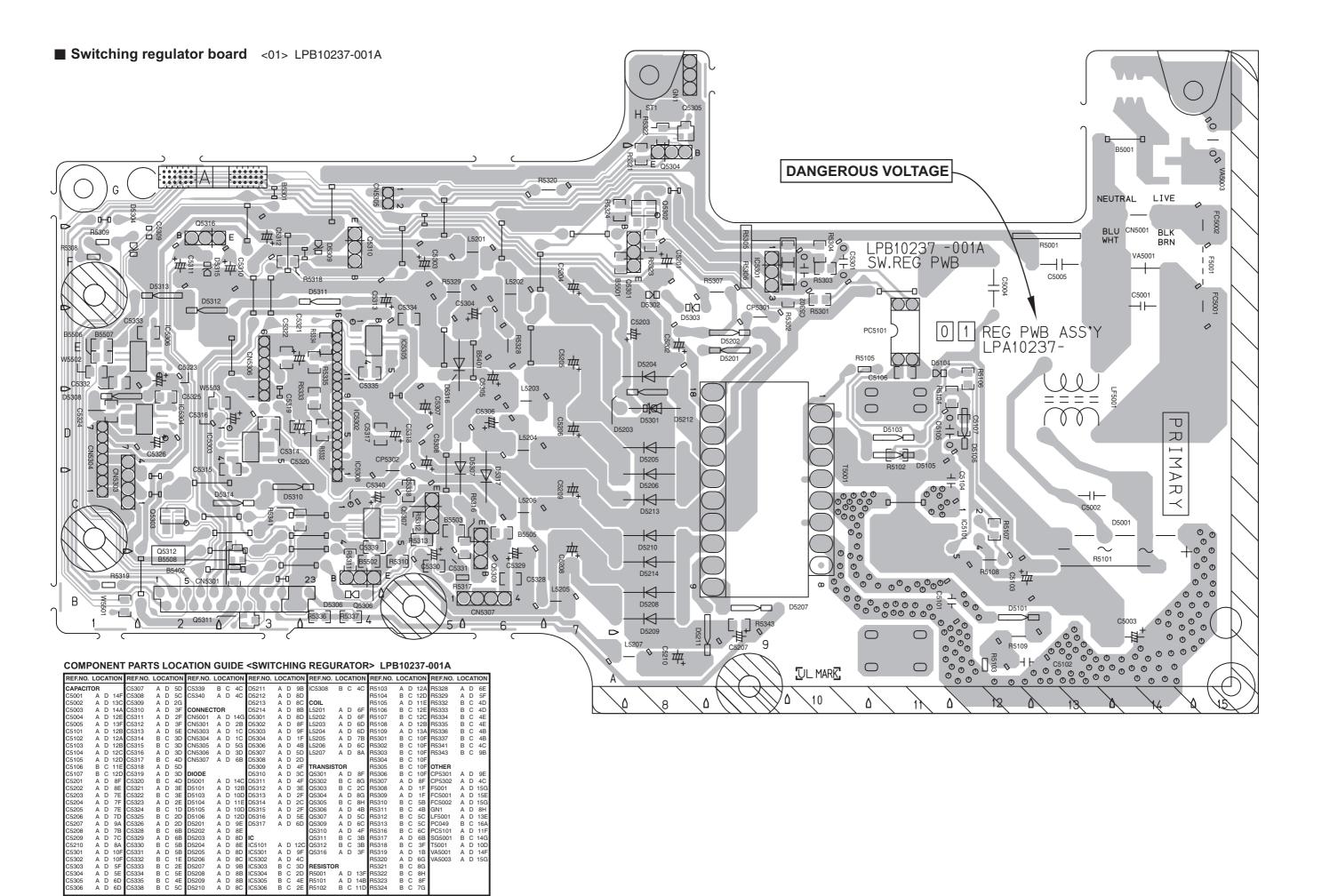


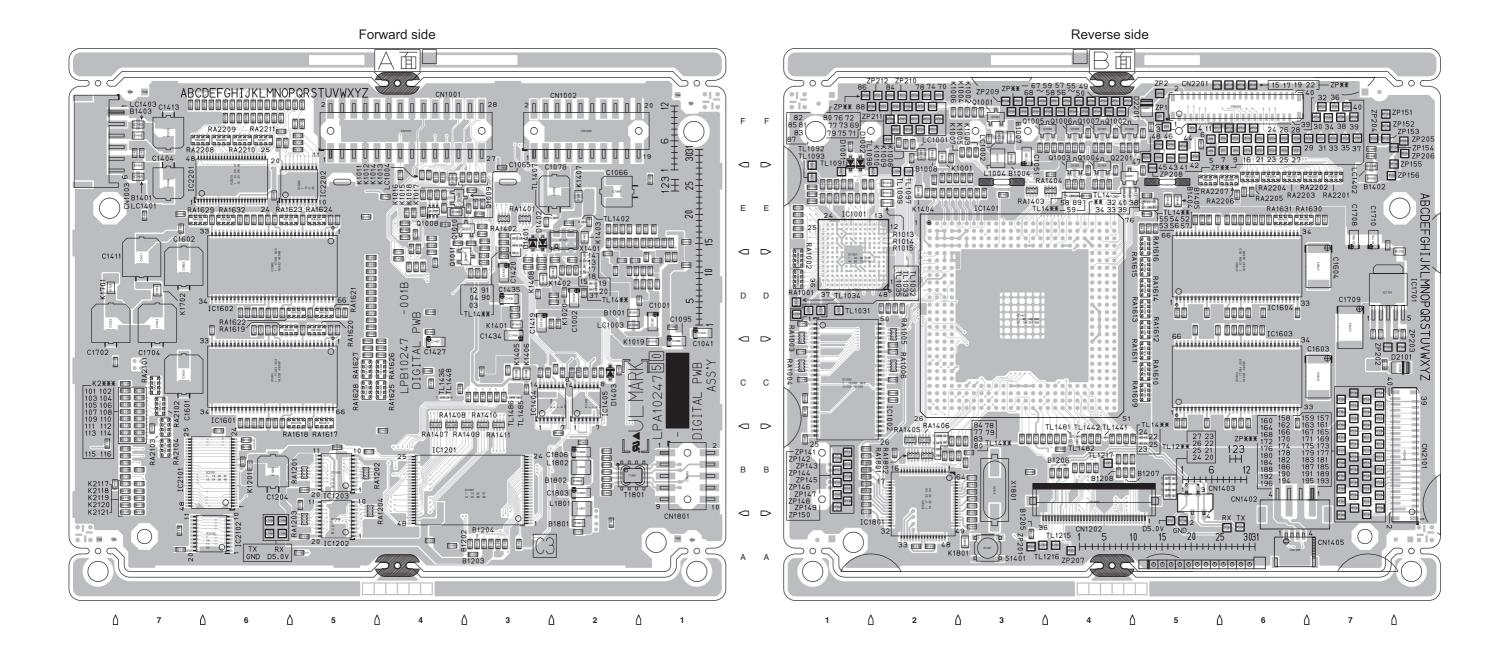
#### ■ S/RCA Out board <29> LPB10239-001C



2-41

2-42





#### COMPONENT PARTS LOCATION GUIDE < DIGITAL BOARD > LPB10247-001B

COMPONE	_				_								-				247-00						_
REF.NO. LOCAT	TION			_	-	REF.NO.	_	_	_	REF.NO.			-	REF.NO. I			REF.NO.			_		_	_
CAPACITOR C1001 A C	1D	C1450 C1452		C	2E 3D	CN1405 CN1801	B A	C	6A 1B	R1071 R1072	A C			R1622 R1623	A C B C	6C 6D	RA1620 RA1621		C 5D C 5D	TL1031 TL1032			1D 1D
C1002 A C		C1453		C	3D	CN2101	В	С	8B 6F	R1216	A C			R1624	B C	6E	RA1622		C 5D	TL1033			1D
C1003 A C C1004 A C		C1454 C1455		C	3D 2D	CN2201	В	С	ог	R1217 R1218	A C			R1625 R1626	B C B C	6D 6E	RA1623 RA1624		C 6E C 5E	TL1034 TL1035			1D 1D
C1005 A C C1007 A C	1E 1E	C1456 C1457		C	3D 3C	DIODE D1001	В	С	1F	R1219 R1220	B C			R1627 R1628	A C	6D 6D	RA1625 RA1626		C 4C	TL1091 TL1092		C	1E 1E
C1007 A C	1E	C1458		C	2C	D1001	В		1F	R1221	ВС			R1629	B C	6D	RA1627		C 5C	TL1092		C	1E
C1009 A C C1012 A C	1E 1E	C1459 C1461		C	4B 1E	D1401 D1402	A A	С	3E 3E	R1222 R1223	A C			R1630 R1631	B C B C	6D 6E	RA1628 RA1629		C 5C	TL1097 TL1098		C	2E 2E
C1014 A C		C1463		C	3D	D1402	Â	C	2C	R1224	A			R1632	ВС	6E	RA1630		C 6E	TL1099		C	2E
C1015 A C C1017 B C		C1464 C1465		C	4E 4E	D2101 D2201	В	C	8C 5F	R1225 R1226	A C			R1641 R1642	A C	5C 4C	RA1631 RA1632		C 6E	TL1215 TL1216		C	4A 3A
C1018 B C	1E	C1466	В	С	5F		_	0	01	R1227	ВС	; 4E	В	R1643	вС	6D	RA1801	В	C 2B	TL1217	В	С	4B
C1019 B C C1020 A C		C1467 C1468		C	7E 3B	IC IC1001	В	С	1D	R1228 R1229	B C			R1644 R1653	A C	6E 5D	RA1802 RA2101		C 2B C 7C	TL1220 TL1221		C	5B 5B
C1022 B C	1E	C1469	Α	С	4B	IC1002	В	С	1C	R1230	ВС	5E	В	R1654	A C	5D	RA2102	Α (	C 7C	TL1222	В	С	5B
C1023 B C C1026 A C		C1470 C1471		C	7B 8C	IC1201 IC1202	A A	C	3B 5A	R1231 R1401	B C			R1655 R1656	A C	5D 5D	RA2103 RA2104		C 7B C 7B	TL1223 TL1224		C	5B 5B
C1030 A C	1D	C1472	Α	С	8B	IC1203	Α	С	5B	R1402	A C	3E	Е	R1657	A C	5D	RA2201	В	C 7E	TL1225	В	С	5B
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C1035 A C C1036 A C		C1601 C1602		C	7C 7D	IC1601 IC1602	A A	C	6C 6D	R1411 R1412	A C			R1701 R1702	B C B C	8D 8D	RA2205 RA2206		C 6E	TL1403 TL1404		C	3D 3E
C1038 A C C1039 A C		C1603 C1604		C	7C 7D	IC1603 IC1604	B B	С	6C 6D	R1413 R1414	A C			R1703 R1704	B C B C	5E 5E	RA2207 RA2208		C 5E	TL1407 TL1412		C	2E 3E
C1041 A C	1D	C1605	Α	С	5D	IC1701	В	С	7D	R1415	ВС	; 4E	Е	R1705	вС	8E	RA2209	Α (	C 6F	TL1413	Α	С	2D
C1042 B C C1043 B C		C1606 C1607		C	5D 6D	IC1801 IC2101	B A	C	2B 6B	R1416 R1417	A C			R1801 R1802	B C B C	3B 3B	RA2210 RA2211		C 6F	TL1414 TL1415			2D 2D
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C1045 B C C1046 B C	1B 2C	C1609 C1610		C	5C 5D	IC2201 IC2202	A A		6E 5E	R1420 R1421	A C			R1804 R1805	B C B C	2B 2B	OTHER LC1001	В	C 2F	TL1418 TL1419			2D 2D
C1047 B C	2C	C1611	Α	С	6D		^	0	JL	R1422	ВС	2E	Е	R1806	вС	1B	LC1002	В	C 3F	TL1420	Α	С	2D
C1048 B C C1049 B C	3F 1F	C1612 C1613		C	6D 5E	COIL L1004	В	С	3F	R1423 R1424	B C			R1807 R1808	B C B C	1B 1B	LC1003 LC1004		C 2D C 4E	TL1422 TL1423			5B 5B
C1050 B C	1E	C1614	Α	С	5E	L1801	Α	С	2B	R1425	ВС	3E	Е	R1809	вС	1B	LC1401	Α (	C 7E	TL1424	В	С	5B
C1051 B C C1052 A C	3F 4E	C1615 C1616		C	6E 6D	L1802	Α	С	2B	R1426 R1427	B C			R1810 R1811	B C B C	1B 1B	LC1402 LC1403		C 7E C 7F	TL1425 TL1432		C	5B 4E
C1053 A C	4E	C1617	Α	С	5D	TRANSIST				R1428	ВС	20	D	R1812	вС	1B	K1001	В	C 2F	TL1433	В	С	4E
C1058 A C C1060 A C		C1618 C1619		C	5E 6E	Q1001 Q1002	В	C	3F 4F	R1429 R1430	B C			R1813 R1814	A C	2B 2B	K1002 K1003		C 3F	TL1434 TL1436		C	4E 4C
C1062 A C	2E	C1620	Α	С	6E	Q1003	В	С	4E	R1431	ВС	20	D	R1815	A C	2B	K1004	В	C 3F	TL1437	Α	С	2D
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C1073 B C C1074 B C	3F 4F	C1629 C1630		C	5D 5D	Q2201	В	С	4E	R1441 R1443	A C			R2102 R2103	A C	6B 6B	K1013 K1014		C 4E	TL1454 TL1455		C	5E 5E
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C1076 A C C1077 A C	4E 4E	C1632 C1633		C	5E 5E	R1001 R1002	B B	C	1E 1E	R1445 R1446	A C			R2105 R2106	A C	7B 7B	K1016 K1017		C 4E	TL1457 TL1458		C	5E 4E
C1078 A C	2E	C1634	В	С	5D	R1003	В	С	1E	R1447	A C	20		R2107	A C	7B	K1018	Α (	C 3E	TL1459	В	С	4E
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C1082 A C C1083 A C	5A 3E	C1642 C1643		C	6D 5D	R1007 R1009	B B	C	1E 1E	R1451 R1452	B C			R2111 R2112	A C	7B 7B	K1401 K1402		C 3D C 2D	TL1480 TL1481		C	2B 4B
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C1208 B C	4B	C1660	В	С	6D	R1029	В	С	2E	R1473	A C	40	D	R2211	A C	6F	K2106	Α (	C 7C	TM3	Α	С	8A
C1401 A C C1402 A C		C1661 C1662		C		R1030 R1031		С	1C 1C	R1474 R1475	A C			R2212 R2213	A C	6F 5F	K2107 K2108		C 7C	TM4 TM5		C	8A 7F
C1404 A C	7E	C1701	В	С	7D	R1032	В	С	2C	R1476	A C	; 4E	Е	R2214	A C	5F	K2109	Α (	C 7C	TM6	Α	С	7F
C1405 A C C1406 A C		C1702 C1703		C		R1033 R1034		С	2C 3F	R1477 R1478	A C			R2215 R2216	A C B C	5F 5F	K2110 K2111		C 7C				1A 1A
C1408 B C	7F	C1704	Α	С	7D	R1035	В	С	5F	R1479	A C	40	D	R2217	ВС	5E	K2112	Α (	C 7C	X1401	Α	С	2E
C1409 B C C1411 A C		C1705 C1706		C		R1036 R1037		С	5F 4F	R1480 R1481	A C			RA1001 RA1002	B C B C	1D 1D	K2113 K2114		C 7B C 7B	X1801	В	U	3B
C1412 A C	7E	C1707	В	С	7E	R1038	В	С	4E	R1482	A C	; 4E	Е	RA1003	вС	1D	K2115	Α (	C 7B	I			
C1413 A C C1414 A C		C1708 C1709		C		R1039 R1040		С	4E 4E	R1483 R1485	A C			RA1004 RA1005	B C B C	1C 2D	K2116 K2117		C 7B C 7B	I			
C1415 A C	2D	C1710	В	С	7E	R1041	В	С	4E	R1486	ВС	2E	Е	RA1006	вС	2C	K2118	Α (	C 7B	1			
C1416 A C C1417 A C		C1801 C1802	A A			R1042 R1043		С	4E 4E	R1487 R1488	B C			RA1201 RA1202	A C	5B 5B	K2119 K2120		C 7B	I			
C1418 A C	7E	C1803 C1804	Α	С	2B	R1044	В	С	4F	R1489	ВС	3E	Е	RA1203	A C	5A	K2121 K2201	Α (	C 7B	1			
C1420 A C	3D	C1805	B A	С	2B	R1045 R1046	Α	C	4F 2E	R1490 R1491	B C	20	D	RA1204 RA1401	A C	5B 3E	K2202	Α (	C 7F C 6F	1			
	2C	C1806 C1807	A B	С	2B	R1047 R1048	В	C	4F 4F	R1492 R1493	B C	; 4E	В	RA1402	A C B C	3E 3E	K2203 K2204	Α (	C 6F	I			
C1423 A C	3E	C1808	В	С	3B	R1049	В	С	4F	R1494	ВС	; 5E	ΕĮ	RA1404	вС	4E	K2205	Α (	C 6F	1			
C1424 A C C1425 A C		C1809 C1810		C		R1050 R1051		С	2E 4F	R1495 R1601	B C			RA1405 RA1406	B C B C	2B 2B	K2206 K2207		C 6F	1			
C1427 A C	4C	C1811	В	С	1B	R1052	В	С	4F	R1602	A C	40		RA1407	A C	4C	K2208	Α (	C 6F	I			
C1428 A C C1429 A C		C1812 C1813		C		R1053 R1054		С	4F 2E	R1603 R1604	A C			RA1408 RA1409	A C	4C 3C	K2209 K2210		C 6F	1			
C1430 A C	4D	C1814	Α	С	2A	R1055	В	С	4F	R1605	ВС	6E	Е	RA1410	A C	3C	K2211	Α (	C 6F	I			
C1434 A C C1435 A C		C2101 C2102	A	C		R1056 R1057		С	4E 4E	R1606 R1607	A C			RA1411 RA1609	A C B C	3C 5C	K2212 K2213		C 6F	I			
C1436 A C	3D	C2201	Α	С	6E	R1059	Α	С	4E	R1608	A C	6E	ΕĮ	RA1610	вС	5C	K2214	Α (	C 6F	I			
C1437 A C C1438 A C		C2202	Α	С	6F	R1060 R1061		С	1E 1E	R1613 R1614	A C			RA1611 RA1612	B C B C	5C 5D	K2215 K2216		C 6F	I			
C1439 A C	3C	CONNEC				R1062	Α	С	3E	R1615	A C	5E	D	RA1613	вС	5D	K2217	Α (	C 6F	1			
C1442 A C C1444 A C		CN1001 CN1002	A A			R1065 R1066		С	3D 3E	R1616 R1617	A C			RA1614 RA1615	B C B C	5D 5D	K2218 K2219		C 5F C 5F	1			
C1445 A C	3C	CN1003	Α	С	8F	R1067	Α	С	3D	R1618	ВС	60		RA1616	вС	5E	K2220	Α (	C 5F	I			
C1446 A C C1447 B C		CN1202 CN1402	B B	C	4B 7B	R1068 R1069		С	3E 4E	R1619 R1620	B C			RA1617 RA1618	A C	5C 5C	K2221 S1401	A (	C 5F	1			
C1448 B C		CN1403		č	5B	R1070		č	3E	R1621	A			RA1619	A C	6D	T1801	A (		<u> </u>			
							_	_					_									_	

#### ■ VOLTAGE CHARTS

MODE	D 011	GULATOR	D ON	<main></main>	D ON	MODE	P.ON	MODE	P.ON	MODE	P.ON	MODE	P.ON	MODE	P.ON	MODE	D ON	MODE	P.ON
PIN NO.	P.ON	PIN NO.		PIN NO.	P.ON	PIN NO.	=	PIN NO.	$\vdash$	PIN NO.		PIN NO.		PIN NO.		PIN NO.	P.ON	PIN NO.	
1C5101	308.2	B	12.0 11.7	IC3001	0	97 98	0	10	2.7	2	0.6	4	7.6	В	1.4	27	1.0	22	3.3
2	0	CN5303		2	0	99	1.3	12	2.7	3	0	5	6.9	Q7302		29	0	24	1.7
3	16.7	2	12.1	3	1.6	100	1.3	13	1.1	5	0.6	7	6.9	C	0.3 10.6	30	1.4	25 26	1.6
5	2.4	3	0	5	1.1	102	0	15	5.0	6	0	8	7.6	В	0.8	32	0	27	2.6
1C5301	2.4	4 CN5305	5.0	7	4.2	103	0	16	3.4 2.5	8	-4.7 0	10	11.5 7.6	Q7310 E	4.9	33	4.5	28 CN4102	1.7
2	0	1	11.0	8	0	105	0	18	4.7	9	0	IC8302	7.0	C	0	35	0	1	0
3 IC5302	4.6	2 CN5306	0	10	4.8	106	0	19	5.0 4.9	10	0	2	7.6	B Q7311	5.4	36 37	4.8	3	0
1	0	1	-0.1	11	0.1	108	0	21	0	12	0.6	3	7.6	E	-0.5	38	-	4	-
2	5.8 3.0	2	3.3	12	0	109 110	4.9 1.3	22	3.5 4.9	13 14	0	5	6.9	C B	1.4	39 40	4.9	5 6	1.2 4.8
4	0	4	2.4	14	0	111	0	24	4.9	15	0.6	6	6.9	Q7312	1.4	41	32.5	7	4.8
5	2.5	5	1.9	15	0	112	1.7	IC6701	4.0	16	4.9	7	0	E	0	42	0	8	0
7	0.9	6 CN5307	1.9	16	0	IC3002	4.9	2	4.2 1.5	IC7304	0	9	7.6	B	5.0	43	0	10	4.5 5.0
8	5.9	1	12.0	18	0	2	4.9	3	1.5	2	2.1	10	7.6	Q7313		45	0	11	0
9	3.5	3	0	19	2.6	3	0	5	2.0	3	4.9 2.8	IC8303	0	C	0	46	2.4	12	0
11	0	4	4.9	21	4.4	IC3004		6	2.0	5	0	2	0	В	4.8	48	2.7	14	4.9
12	0.9			22	0	2	0	8	1.3	6 IC8001	2.8	4	-10.9	Q7314 E	-0.1	49 CN3001	4.3	15 16	3.3
14	1.9			24	0	3	0	9	0	1	2.4	5	0	С	0	1	-15.6	17	0
15 16	1.9 4.8			25 26	1.1	5	0	10	3.5 3.5	3	2.5	7	0	Q7315	4.9	3	-28.5 -19.5	18	1.6
IC5303				27	0	6	4.2	12	4.2	4	0	8	11.3	E	0	4	0	20	0
1 2	3.3			28 29	4.8	7	0 4.8	13 14	4.0 1.5	5 6	2.4	IC8501	3.3	C B	10.6	5 6	0 4.9	21 22	1.8
3	0			30	0	IC4001		15	1.5	7	2.4	2	1.6	Q7316		7	4.8	23	1.8
4 5	1.9 3.8			31 32	4.8	1 2	0.1	16 17	1.5	8	2.4	3	1.6	E C	10.6	8	4.5 4.6	24 25	1.8
6	0			33	0	3	2.1	18	1.5	10	2.4	5	0	В	10.6	10	4.6	26	2.5
7 IC5305	3.8			34 35	0	4 5	4.9 2.8	19 20	4.9 0	11 12	2.4	6 7	0	Q7317 E	1.9	11 12	4.0 4.1	27 28	3.3
1	4.9			36	0	6	0	21	1.5	13	2.4	8	1.6	C	0	13	0	CN5101	3.3
2	0			37	0	7	2.0	22	4.2	14	2.4	9	1.7	В	1.3	14	0	1	-
3	3.3			38	4.0	9	2.8	23	0	15 16	0	10	3.3 1.6	Q8201 E	0	15 16	-26.3 -28.7	3	-
5	4.8			40	0	10	0.1	25	0	17	0	12	1.7	С	4.9	17	-28.6	4	-
7	0			41	4.8	11	2.1	26	0	18 19	0	13	3.3	B Q8202	0.7	18 CN3002	-23.9	5 6	52.4 32.5
8	5.9			43	0	13	0	28	0	20	3.3	Q3004		E	4.9	1	4.9	7	0
1C5308	5.0			44	0	14	1.5	30	2.3	21	0	E C	0	В	-5.9 5.0	3	0.1	9	0
2	0			46	0	16	2.7	31	2.3	23	1.7	В	0.7	Q8203		4	0	10	-0.1
3	3.4			47	0	17	2.4	32	0 4.6	24 25	3.1	Q3007 E	0	C	0	6	-27.9 -27.9	11	4.8 5.6
5	4.8			49	0	19	1.5	34	3.7	26	0	С	5.6	В	-5.9	7	-27.9	13	5.0
6 7	0			50 51	0	20	2.6	35 36	2.3	27	0	Q3009	0	Q8205 E	0	9	-27.9 4.9	14	5.0
8	5.6			52	0	22	2.7	37	0	29	0	E	0	C	0	10	-	16	10.6
Q5301 E	-14.4			53 54	0	23 24	3.0	38	0	30	0	В	1.6	B Q8301	-5.9	11	-	17 18	4.8 12.2
С	-14.3			55	0	25	2.8	40	2.3	32	2.4	Q3010		E	0	13	-	19	4.8
В	-13.5			56	0	26	4.9	41	2.3	33	0	E C	0	C	0	CN3901	0	20	-11.9
Q5302 1	0			57 58	0	27	2.8	42	2.5	34 35	3.3	В	4.8	Q8302	-5.9	2	4.9	21	-29.4 -20.3
2	0			59	4.8	29 30	2.3	44	0	36 37	0	Q3901	0	E	0	3	0 4.9	23 CN5102	-16.2
4	5.5 5.7			60	4.8	31	2.7	IC7301	4.9	38	0	C	4.9	В	-5.9	5	0.1	1	1.9
5	0			62	0	32	0.1	2	2.3	39	0	В	0	Q8303		6	4.8	2	1.9
6 Q5303	0			63	1.4	33	0.3	3	2.8 1.6	40	2.4	Q4001 E	3.0	C	0	CN4001	0	3	2.6
1	0			65	1.2	35	2.8	5	0	42	2.5	С	0	В	-5.9	2	0	5	0.1
3	4.9 11.6			66 67	4.9 2.4	36 37	3.5	7	1.6	43	2.4	B Q4003	2.3	Q8304 E	0	3 4	0	7	3.4
4	11.7			68	0	38	4.7	8	2.4	IC8201		E	1.8	С	0	5	0	8	0
5 6	0			69 70	3.4	39 40	4.7 2.8	10	3.3 1.6	2	1.7	B	4.9 2.4	B TU6001	-5.9	7	0	9 CN7301	0
Q5304				71	4.9	41	2.6	11	0	3	1.7	Q4005		1	-	8	0	1	0.9
E C	11.0			72 73	0	42	3.0	12	2.3	5	1.6 3.3	C	5.0	3	-	10	-0.1 0	3	2.0
В	10.3			74	4.8	44	1.6	14	2.3	6	3.3	В	3.5	4	-	11	0	4	0
Q5305 E	0			75 76	4.2	45 46	2.6 5.0	15 16	2.4	7 8	0.1	Q4101 E	4.9	5 6	-	CN4101	0	5 6	0
С	0			77	0	47	0.6	17	0	9	2.4	С	5.6	7	-	2	1.2	7	0
B Q5309	0			78 79	1.0	48	2.8	18	2.4	10	2.4	B Q6030	5.6	9	-	3	0		
E	5.0			80	4.9	50	2.8	20	2.3	12	2.4	E	5.0	10	-	5	0		
C B	4.9 4.3			81 82	0 4.9	51 52	2.9	21 22	2.1	13 14	0 4.9	C B	0 4.3	11 12	-	6 7	1.3		
Q5310	4.3			83	0	53	3.3	23	2.2	15	0	Q6031		13		8	0		
E	5.0			84	0 4.8	54 55	2.4	24 25	0	16 IC8202	0	E C	0 4.3	14	-	9	1.0		
В	5.6 5.8			85 86	4.8	56	2.5	26	2.4	1	0	В	4.3	15 16	-	11	0.6		
Q5311				87	0	IC4201		27	0	2	1.2	Q7001		17	-	12	0		
E C	0			88	0	2	2.5	28 IC7302	4.9	3	1.2 -10.8	C	0.7 1.6	18 19	-	13	3.3 0.6		
В	4.5			90	-0.1	3	5.0	1	0	5	1.2	В	1.4	20	-	15	0		
Q5312 E	0			91 92	0.5	5	4.9	3	1.2 4.9	7	1.2	Q7201 E	2.5	21	-	16 17	0		
С	0			93	0	6	4.1	4	2.8	8	11.3	С	5.6	23	-	18	3.0		
B Q5316	4.8			94 95	0	8	4.2	5 6	1.3	IC8301	7.6	Q7301	1.0	24 25	-	19	1.7		
E	11.0			96	4.8	9	4.6	IC7303		2	0	E	0.8	26	4.9	21	3.3		

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# PARTS LIST

# [DR-MH20SE, DR-MH20SEF, DR-MH20SEK, DR-MH30SE, DR-MH30SEF, DR-MH30SEK, DR-MH30SER]

#### \* SAFETY PRECAUTION

Parts identified by the  $\triangle$  symbol are critical for safety. Replace only with specified part numbers.

\* BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

\* (x ) in a description column shows the number of the used part.

Area Suffix

EK ------ U.K.

EF ----- France

ER --- Russian Federation

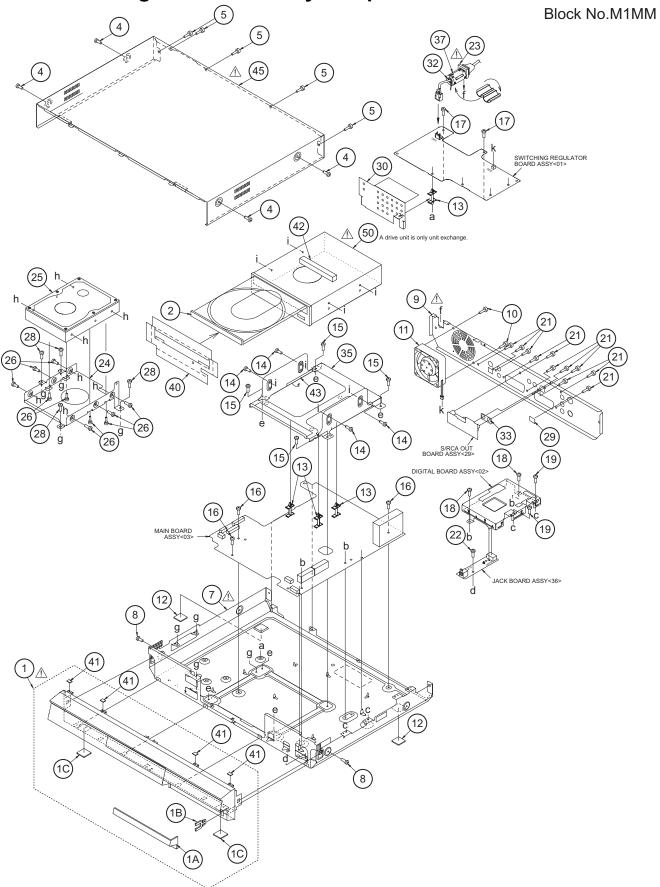
E ---- Continental Europe

Northern Europe

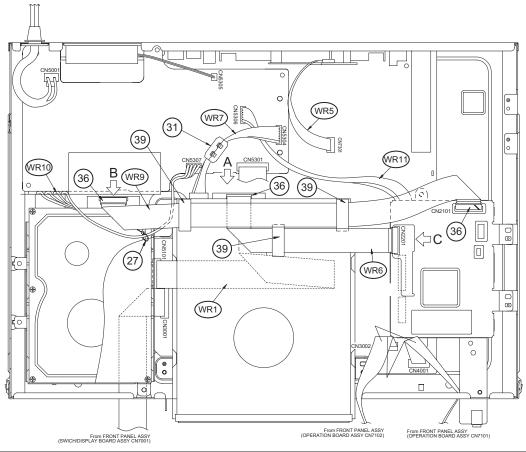
#### - Contents -

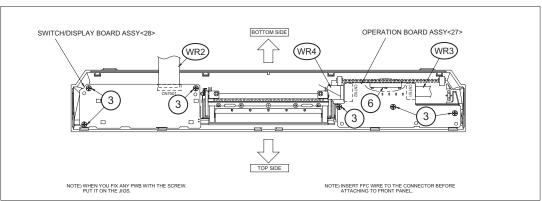
Exploded view of general assembly and parts list	3-2
Electrical parts list	3-5
Packing materials and accessories parts list	3-17

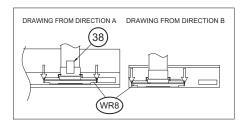
# Exploded view of general assembly and parts list

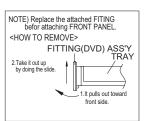


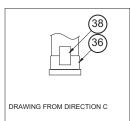
#### Block No.M1MM











## **General assembly**

## Block No. [M][1][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
<u> </u>	LP10533-211B	FRONT PANEL ASSY		20E,20EF
<b>△</b> 1	LP10533-212B	FRONT PANEL ASSY		20EK
<u> </u>	LP10533-210C	FRONT PANEL ASSY		30EK
<b>△</b> 1	LP10533-209C	FRONT PANEL ASSY		30E,30EF,30ER
1A	LP21252-201A	DOOR		
1B	PU60109	CATCHER	(12)	
1C	LP31382-201A	FOOT	(x2)	
2 3	LP31372-005A	FITTING(DVD) ASSY	M2 6 v 9mm EDONT DOADD(v6)	
4	QYTDSF2608ZA QYSBSG3006NA	TAP SCREW TAP SCREW	M2.6 x 8mm FRONT BOARD(x6) M3 x 6mm TOP SIDE(x4)	
5	QYSBSG3006NA	TAP SCREW	M3 x 6mm TOP REAR(x5)	
6	LP41175-001A	SPACER	WIS A GITTIT FOR TALART(AS)	
<b>△</b> 7	LP10564-001A	BOTTOM CHASSIS		
8	QYSDSG3008NA	TAP SCREW	M3 x 8mm BOTTOM CHASSIS(x2)	
<b></b>	LP21321-006A	REAR PANEL	WO X OHIIII DO I TOW OTIAGGIG(X2)	20E,20EF,30E,30EF
<u> </u>	LP21321-007A	REAR PANEL		20EK,30EK
₫ 9	LP21321-008A	REAR PANEL		30ER
10	QYSDSF3008MA	TAP SCREW	M3 x 8mm FAN(x2)	OCET
11	QAR0326-001	FAN MOTOR	/ (/2)	
12	LP31348-002A	FOOT	REAR(x2)	
13	PEME0946-08	SPACER	(x4)	
14	QYTDST3006ZA	TAP SCREW	M3 x 6mm DVD UNIT(x4)	
15	QYSDSGY3006ZA	TAP SCREW	M3 x 6mm DVD BRACKÉT(x4)	
16	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm MAIN(x3)	
17	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm REGULÁTOR(x2)	
18	QYSBSGG3008EA	TAP SCREW	M3 x 8mm DIGITAL(x2)	
19	QYSBSGG3008EA	TAP SCREW	M3 x 8mm DIGITAL(x2)	
21	QYSBSGY3008MA	TAP SCREW	M3 x 8mm REAR JACK(x11)	
22	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm JACK BOARD	
<b>∆</b> 23	QMP51K0-170-K	POWER CORD	1.7m BLACK	20EK,30EK
<b>∆</b> 23	QMP4A10-170-K	POWER CORD	1.7m BLACK	20E,20EF,30E,30EF,30ER
24	LP21280-202A	BRACKET(HDD)		
25	LPH40267-006A	HDD	(SERVICE)	20EF
25	LPH40267-005A	HDD	(SERVICE)	20E,20EK
25	LPH40267-003A	HDD	(SERVICE)	30EF
25	LPH40267-002A	HDD	(SERVICE)	30E,30EK,30ER
26	LP40738-001B	SCREW	HDD(x10)	
27 28	PU43192-4	BINDER TAP SCREW	M2 v 6mm HDD PDACKET(v4)	
29	QYSDSGY3006ZA LP41107-002A	GASKET	M3 x 6mm HDD BRACKET(x4)	
30	LP31442-001A	PROTECT COVER		
31	QQR0917-002	CORE FILTER		
32	PU43192-4	BINDER		
33	LP41165-002A	GASKET		
35	LP21156-003A	BRACKET(DVD DRIVE)		
36	QQR1439-003	FERRITE CORE	(x4)	
37	QQR0491-001	FERRITE CORE		
38	LP30002-0F6A	SPACER	(x2)	
39	LP30002-0A9A	SPACER	(x3)	
40	LP31417-001A	SHIELD PLATE		
41	LP30002-0G2A	SPACER	(x4)	
42	LP41107-001A	GASKET		
43	LP30002-0H5A	SPACER	BRACKET(DVD)	
<u> </u>	LP21256-006A	METAL COVER	(SERVICE)	0055
<u> </u>	QAL0551-001	DRIVE UNIT		30EF
<u> </u>	QAL0551-002	DRIVE UNIT	DECLII ATOD ONICOOL MAIN ONICAOL	20E,20EF,20EK,30E,30EK,30ER
WR 1	QUQ112-1926CJ	FFC WIRE	REGULATOR CN5301-MAIN CN5101	001
WR 2	QUQ112-1818CJ	FFC WIRE	SWICH DISPLAY CN7001-MAIN CN3 OPERATION CN7101-MAIN CN3002	UU I
WR 3	QUQ112-1312CG	FFC WIRE		
WR 4	QUQ112-1112CG	FFC WIRE FFC WIRE	OPERATION CN7102-MAIN CN4001	
WR 5 WR 6	QUQ112-0714CG QUQ605-4022AH	FFC WIRE	S/RCA OUT CN7312-MAIN CN7301 DIGITAL CN2201-DVD UNIT	
WR 7	QJJ032-041214	SIN CR C-C WIRE	REGULATOR CN5303-DVD UNIT	
WR 8	QGZ0018A1-40	CONNECTOR	HDD & DVD UNIT(x2)	
WR 9	QUQ605-4038AH	FFC WIRE	HDD-DIGITAL CN2101	
WR10	QJJ032-042204	SIN CR C-C WIRE	HDD-REGULATOR CNCN5307	
WR11	QJJ015-062211	SIN CR C-C WIRE	REGULATOR CN5306-DIGITAL CN14	01
	Q000.0 00=E11	5 5 5 6 THILE		

# Electrical parts list Switching regulator board

			Blo	ck No. [0][1]	⚠ Symbol No.	Part No.	Part Name	Description	Local
Symbol No.	Part No.	Part Name	Description	Local					
					D5205	RK34-LFB2	SB DIODE		
DIAM	I DA 40007 040	DEOL!! 470D D	0400 4000		D5206	RK34-LFB2	SB DIODE		
PW1	LPA10237-04C	REGULATOR BO	JARD ASSY		D5207	AU01Z-T2	FR DIODE		
ICE101	STR-G6653-F9	IC			D5207 D5207	or ERA18-02-T2	FR DIODE FR DIODE		
IC5101 IC5301	TL431/A/-T	IC IC			D5207	or 1SR153-400-T2 or 10ERB20-T2	FR DIODE		
	or MM1431AT-T	IC			D5207	or 1F4G-T2	FR DIODE		
	or UTCTL431-T	iC			D5207	RK14LF-B2	SB DIODE		
	or L5431-T	iC			D5210	RK34-LFB2	SB DIODE		
IC5302	MPD5S017	IC(HYBRID)			D5212	RL2Z-LFB2	FR DIODE		
IC5303	MM1563DF-X	IC`			D5213	RK34-LFB2	SB DIODE		
IC5305	MM1565AF-X	IC			D5214	RK34-LFB2	SB DIODE		
IC5308	MM1665AH-X	IC			D5301	MTZJ15A-T2	Z DIODE		
0=004	00004440###	TD 441010T0D			D5301	or RD15ES/B1/-T2	Z DIODE		
Q5301	2SD2144S/UV/-T				D5302	1SS133-T2	DIODE		
	or 2SC3576-JVC-T	TRANSISTOR	OB		D5302	or 1SS270A-T2	SI DIODE		
Q5302 Q5302 o	UMD12N-W or XP4313-W	DIGI TRANSIST			D5303 D5303	MTZJ27C-T2 or RD27ES/B3/-T2	Z DIODE Z DIODE		
Q5302 0	UMD12N-W	DIGI TRANSIST			D5303	MTZJ12B-T2	Z DIODE		
	or XP4313-W	DIGI TRANSIST			D5304	or RD12ES/B3/-T2	Z DIODE		
Q5304	2SA1585S/QR/-T				D5306	1SS133-T2	DIODE		
Q5305	DTC114EKA-X	TRANSISTOR			D5306	or 1SS270A-T2	SI DIODE		
	or UN2211-X	TRANSISTOR			D5307	RL2Z-LFB2	FR DIODE		
Q5305 o	or RT1N141C-X	DIGI TRANSIST	OR		D5309	RD5.6ES/B3/-T2			
Q5306	2SA1585S/QR/-T				D5309	or MTZJ5.6C-T2	Z DIODE		
Q5307	2SA1585S/QR/-T				D5310	1A3G-T2	SI DIODE		
Q5309	2SA1585S/QR/-T				D5310	or 10EDB20-T2	SI DIODE		
Q5310	2SD1858/QR/-T	TRANSISTOR			D5310	or ERA15-02-T2	SI DIODE		
Q5311	DTC114EUA-X	DIGI TRANSIST			D5314	1S4-T2	SB DIODE		
	or UN5211-X	DIGI TRANSIST			D5314	or AW04-T2	SB DIODE		
	or RN1302-X or PDTC114EU-X	DIGI TRANSIST			D5314 D5315	or SBO40-T2 RD12ES/B1/-T2	SB DIODE Z DIODE		
	or RT1N141M-X	DIGI TRANSIST			D5315	or MTZJ12A-T2	Z DIODE Z DIODE		
Q5311 0	DTC114EUA-X	DIGI TRANSIST			D5317	RK14LF-B2	SB DIODE		
	or UN5211-X	DIGI TRANSIST			D5317	or 21DQ04-F	SB DIODE		
	or RN1302-X	DIGI TRANSIST			D5317	or SB240-F26	SB DIODE		
	or PDTC114EU-X	DIGI TRANSIST							
	r RT1N141M-X	DIGI TRANSIST			⚠ PC5101	PC123Y22FZ	PHOTO COUPLE	₽	
Q5316	2SD2144S/UV/-T	TRANSISTOR							
Q5316 o	or 2SC3576-JVC-T	TRANSISTOR				QFZ9077-683		0.068uF 275V M	
					<b>△</b> C5002	QFZ9077-223		0.022uF 275V M	
D5001	D3SBA60	DIODE			C5003	QEZ0374-107	E CAPACITOR	100uF 400V M	
	or GBJ4J	BRIDGE DIODE			<b>△</b> C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V N	Л
D5101	SARS01-T2	SI DIODE			C5101	QCZ0339-101Z	C CAPACITOR	100pF 1kV K	
D5103 D5103 o	AU01Z-T2 or ERA18-04-T2	FR DIODE FR DIODE			C5102 C5103	QCZ0349-472Z QEMU1VM-276Z	C CAPACITOR	4700pF 1kV K 27uF 35V M	
	or 1SR153-400-T2	FR DIODE			C5103	QCZ0136-471Z	C CAPACITOR	470pF 1kV K	
	or 10ERB20-T2	FR DIODE			C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
	or 1F4G-T2	FR DIODE			C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D5104	1SS133-T2	DIODE			C5107	NCB31HK-221X		220pF 50V K	
	or 1SS270A-T2	SI DIODE			C5201	QEMX0JM-227Z		220uF 6.3V M	
D5105	AU01Z-T2	FR DIODE			C5202	QEMU1HM-186Z		18uF 50V M	
D5105 o	or ERA18-04-T2	FR DIODE			C5203	QEMT1CM-687	E CAPACITOR	680uF 16V M	
	or 1SR153-400-T2	FR DIODE			C5204	QEMT1CM-128	E CAPACITOR	1200uF 16V M	
	or 10ERB40-T2	FR DIODE			C5205	QEMT1AM-158	E CAPACITOR	1500uF 10V M	
	or 1F4G-T2	FR DIODE			C5206	QEMT1AM-128	E CAPACITOR	1200uF 10V M	
D5106	AU01Z-T2	FR DIODE			C5207	QETN2AM-475Z		4.7uF 100V M	
	or ERA18-04-T2	FR DIODE			C5208	QEMT1AM-108	E CAPACITOR	1000uF 10V M	
	or 1SR153-400-T2	FR DIODE			C5209	QEMT1AM-158	E CAPACITOR	1500uF 10V M	
	or 10ERB20-T2 or 1F4G-T2	FR DIODE			C5301	QFVF1HJ-154Z	MF CAPACITOR M CAPACITOR		
D5106 o D5201	10ERB20-T2	FR DIODE FR DIODE			C5302 C5303	QFLC1HJ-333Z QETN1CM-107Z		0.033uF 50V J 100uF 16V M	
	or ERA18-02-T2	FR DIODE			C5303	QETN1CM-107Z		100uF 16V M	
D5201 0	AU01Z-T2	FR DIODE			C5304	QETN1AM-107Z		100uF 10V M	
	or ERA18-04-T2	FR DIODE			C5306	QETN1AM-107Z		100uF 10V M	
	or 1SR153-400-T2	FR DIODE			C5307	QETN1AM-107Z		100uF 10V M	
	or 10ERB20-T2	FR DIODE			C5308	QETN1AM-107Z		100uF 10V M	
	or 1F4G-T2	FR DIODE			C5309	QCBB1HK-103Y		0.01uF 50V K	
D5203	AU01Z-T2	FR DIODE			C5310	QETN1CM-107Z		100uF 16V M	
	or ERA18-02-T2	FR DIODE			C5311	QETN1HM-225Z		2.2uF 50V M	
D5203 o	or 1SR153-400-T2	FR DIODE			C5312	QETN1AM-107Z		100uF 10V M	
							E OADAOITOD	00E E0\ / N /	
D5203 o	or 10ERB20-T2	FR DIODE			C5313	QETN1HM-226Z		22uF 50V M	
D5203 o	or 10ERB20-T2 or 1F4G-T2 RL2Z-LFB2	FR DIODE FR DIODE FR DIODE			C5313 C5314 C5315	QETN1HM-226Z NCB21AK-105X NCB31HK-471X	C CAPACITOR	1uF 10V K 470pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
C5316 C5317 C5318 C5319 C5321 C5322 C5328 C5329 C5330	QETN1HM-226Z NCB21AK-105X QECS1CM-477 QECS1CM-477 QECS1CM-477 NCB21AK-105X NCB31HK-104X QETN1CM-106Z NCB31HK-104X	E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	22uF 50V M 1uF 10V K 470uF 16V M 470uF 16V M 470uF 16V M 1uF 10V K 0.1uF 50V K 10uF 16V M 0.1uF 50V K		HS1 & LF5001 ST1 W5501 W5502 W5503 OT1	PEME0889-01-01 QQR1031-001 PU59391 NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X QYTDST3008ZA	HEAT SINK LINE FILTER STYLE PIN MG RESISTOR MG RESISTOR MG RESISTOR TAP SCREW	0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J M3 x 8mm	
C5331	QETN1CM-477Z	E CAPACITOR	470uF 16V M		Digital	board			
C5334 C5335	NCB21AK-105X NCB31HK-471X	C CAPACITOR C CAPACITOR	1uF 10V K 470pF 50V K		Digital	Doard		<b>-</b>	
C5338 C5339	NCB21AK-105X NCB31HK-471X	C CAPACITOR C CAPACITOR	1uF 10V K 470pF 50V K					Block	k No. [0][2]
C5340 C5341	QETN1HM-226Z NCB31HK-102X	E CAPACITOR C CAPACITOR	22uF 50V M 1000pF 50V K		⚠ Symbol No.	Part No.	Part Name	Description	Local
C5342	NCB31HK-102X	C CAPACITOR	1000pF 50V K		PW1	LPA10247-03E	DIGITAL BOARD	) ASSY	
C5342  R5101 R5102 R5103 R5104 R5105 R5106 R5107 R5108 ♣ R5109 R5301 R5302 R5303 R5304 R5305 R5306 ♠ R5307 R5308 R5309 R5310 R5311 R5312 R5313 R5316 R5317 R5318 R5319 R5319 R5320 R5321 R5322 R5323	NCB31HK-102X  QRG02GJ-683 NRSA63J-122X QRE141J-684Y NRSA63J-102X QRE141J-680Y NRSA63J-392X NRSA63J-681X QRT01DJ-R27X QRZ9005-470X NRSA63J-472X NRSA63J-472X NRSA63J-52X NRSA63J-682X NRSA63D-223X NRSA63D-223X NRSA63D-223X NRSA63D-223X NRSA63D-392X QRE141J-681Y QRE141J-681Y QRE141J-681Y QRE141J-681Y NRSA63J-103X NRSA02J-471X NRSA63J-103X NRSA02J-471X NRSA63J-103X QRE141J-471Y NRSA63J-103X QRE141J-471Y NRSA63J-103X QRE141J-471X NRSA63J-103X QRE141J-471X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X	C CAPACITOR  OMF RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR MG RESISTOR	1.2kΩ 1/16W J 680kΩ 1/4W J 1kΩ 1/16W J 68Ω 1/4W J 3.9kΩ 1/16W J 680Ω 1/16W J 0.27Ω 1W J 47Ω 1/16W J 4.7kΩ 1/16W D 22kΩ 1/16W D 22kΩ 1/16W D 22kΩ 1/16W D 24 7Ω 1/4W G 680Ω 1/4W J 10kΩ 1/16W J 470Ω 1/1		IC1001 IC1002 IC1002 IC1002 IC1002 IC1002 IC1201 IC1202 IC1203 IC1401 IC1404 IC1405 IC1601 IC1602 IC1602 IC1602 IC1603 IC1604 IC1604 IC1701 IC1801 IC1801 IC1801 IC1801 IC1004 IC1701 IC1801 IC1004 IC1701 IC1801 IC1004 IC1004 IC1004 IC1004 IC1004 IC1004 IC1701 IC1801 IC1801 IC1801 IC1801 IC1801 IC1801 IC1801 IC1801 IC1002 IC1003 IC	JCP8059 HY57V161610ET-8 or K4S161622H-TC80 or M12L161614-FTG or HY57V161610ETP or MT48LC1M16TG-7S LPN0877-001A SN74LVC373APW-X SN74LVC373APW-X DMN8652-B0 SN74HCT08APW-X HY5DU561622CT- or HY825D256160CE6 HY5DU561622CT- or HY825D256160CE6 HY5DU561622CT- or HY825D256160CE6 HY5DU561622CT- or HY825D256160CE6 PQ015YZ01Z-X TSB41AB2PAP 2SA1037AK/QR/-3 or 2SA7037AK/QR/-X or 2SA7037AK/QR/-X or 2SA7037AK/QR/-X or 2SA7037AK/QR/-X	IC IC IC IC IC IC IC(FLASH) IC(CIGITAL) IC(DIGITAL) IC(DIGITAL) IC(DIGITAL) IC(DIGITAL) IC	(SERVICE)	
R5324 R5332 R5333 R5334 R5335 R5336 R5337 R5341 R5343  L5201 L5202 L5203 L5204 L5205 L5206 ⚠ T5001  B5508 ⚠ CN5001 CN5301 CN5303 CN5305 CN5305 CN5305 CN5306 CN5307 ⚠ CP5301 ♠ CP5301 ♠ CP5302 ♠ F5001 FC5001 FC5001	NRSA63J-102X NRSA63D-562X NRSA63D-332X NRSA63D-323X NRSA63D-123X NRSA63J-122X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-473X PELN1184 PELN1184 PELN1184 PELN1184 PELN1184 QQS0268-001 NRSA63J-0R0X QGA7901C3-02 QGF1207C1-19 QGA2501C1-04 QGA2001C1-06 QGA2001C1-06 QGA2501C1-04 QGA2501C1-04 QMFZ050-1R5X- QMFZ050-2R0X- QMFZ050-2R0X- QMFZ050-001Z QNG0020-001Z	E FUSE	5.6kΩ 1/16W D		Q1004 Q1005 Q1005 Q1005 Q1006 Q1006 Q1007 Q1007 Q1007 Q1008 Q1008 Q1009 Q1009 Q1009 Q1010 Q1011	2SA1037AK/QR-2 or 2SA1530A/QR/-X or 2SB709A/QR/-X 2SA1037AK/QR/-X or 2SB709A/QR/-X 2SA1037AK/QR-2 or 2SA1530A/QR/-X 2SA1037AK/QR-2 or 2SA1530A/QR/-X 2SA1037AK/QR/-X or 2SB709A/QR/-X 0r 2SB709A/QR/-X 0r 2SB709A/QR/-X 0r 2SB709A/QR/-X 0r BC847PN-X 0r BC847PN-X 0r 2SC3928A/QRS/-X 0r 2SD601A/QRS/-X 0r 3SD55-X 0r MA111-X 1SS355-X	SI TRANSISTOR TRANSISTOR X TRANSISTOR SI TRANSISTOR X TRANSISTOR X TRANSISTOR SI TRANSISTOR X TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR PAIR TRANSIST PAIR TRANSIST PAIR TRANSIST PAIR TRANSIST TRANSISTOR	R R FOR FOR	

⚠ Symbol No.	. Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
	or MA111-X	SI DIODE			C1423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D1402 D1402	1SS355-X	SI DIODE			C1424 C1425	NCB31CK-104X NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D1402 D1403	or MA111-X 1SS355-X	SI DIODE SI DIODE			C1425 C1427	NBE20JM-106X	C CAPACITOR TA E CAPACITOR	0.1uF 16V K	
D1403	or MA111-X	SI DIODE			C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1002	NBE20JM-106X	TA E CAPACITOR			C1435	NBE20JM-106X	TA E CAPACITOR		
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1004 C1005	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1437 C1438	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1442	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014 C1015	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1446 C1447	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1447	NCB31EK-104X	C CAPACITOR	0.01uF 25V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1450	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1020	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1030 C1032	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1457 C1458	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1461	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1463	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1464	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1465	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1038 C1039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1466 C1467	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1039	NCB31CK-104X NBE20JM-106X	C CAPACITOR TA E CAPACITOR	0.1uF 16V K		C1467 C1468	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1469	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1470	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1471	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1472	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046 C1047	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1473 C1474	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1047	NBE20JM-106X	TA E CAPACITOR			C1474	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1601	NEZ0019-157X	OS E CAPACITOR		
C1053	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C1602	NEZ0019-157X	OS E CAPACITOR		
C1060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1062 C1065	NCB31EK-103X NCB20JM-475X	C CAPACITOR C CAPACITOR	0.01uF 25V K		C1606 C1607	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K	
C1003	NCB31CK-104X	C CAPACITOR	4.7uF 6.3V M 0.1uF 16V K		C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1080	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1081	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1083		C CAPACITOR	0.1uF 16V K		C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090 C1091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1613 C1614	NCB31CK-104X NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1092	NCB31CK-104X		0.1uF 16V K		C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X		0.1uF 16V K		C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X		0.1uF 16V K		C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR C CAPACITOR			C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1096 C1097	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1619 C1620	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X		0.1uF 16V K		C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NEHM0JM-476X		47uF 6.3V M		C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1206	NCB31CK-104X		0.1uF 16V K		C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207 C1401	NCB31CK-104X NCB31CK-104X		0.1uF 16V K 0.1uF 16V K		C1625 C1626	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1402	NCB31CK-104X		0.1uF 16V K		C1627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEHM0JM-476X		47uF 6.3V M		C1628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1405	NCB31CK-104X		0.1uF 16V K		C1629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1406		C CAPACITOR	0.1uF 16V K		C1630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1408	NCB31CK-104X		0.1uF 16V K		C1631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1409 C1411	NCB31CK-104X NEHM0JM-107X		0.1uF 16V K 100uF 6.3V M		C1632 C1633	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1411	NCB31CK-104X		0.1uF 16V K		C1634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1413	NEHM0JM-476X		47uF 6.3V M		C1635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1414	NCB31CK-104X		0.1uF 16V K		C1636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1416	NCB31CK-104X		0.1uF 16V K		C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1417 C1418	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		C1644 C1646	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	
C1416 C1420	NBE20JM-106X	TA E CAPACITOR			C1646 C1650	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1421	NCB31CK-104X		0.1uF 16V K		C1652	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
C1656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	_	R1068	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
C1658	NCB31CK-104X NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1069 R1070	NRSA63D-222X NRSA63D-122X	MG RESISTOR	2.2kΩ 1/16W D	
C1660 C1662	NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		R1070 R1071	NRSA63D-122X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W D 1.5kΩ 1/16W D	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1702	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M		R1217	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C1703 C1704	NCB31CK-104X NEHM0JM-107X	C CAPACITOR E CAPACITOR	0.1uF 16V K 100uF 6.3V M		R1218 R1219	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
C1704 C1706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C1707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C1708	NBE20JM-476X	TA E CAPACITOR			R1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1710 C1801	NBE20JM-476X NCB30JK-105X	TA E CAPACITOR C CAPACITOR	1uF 6.3V K		R1225 R1226	NRSA63J-103X NRSA63J-472X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 4.7kΩ 1/16W J	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J		R1229	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C1803	NBE20JM-106X	TA E CAPACITOR			R1230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C1804 C1805	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K		R1231 R1401	NRSA63J-472X NRSA63F-1181X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1.18kΩ 1/16W F	
C1806	NBE20JM-106X	TA E CAPACITOR			R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1408	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1808 C1809	NDC31HJ-120X NDC31HJ-120X	C CAPACITOR C CAPACITOR	12pF 50V J 12pF 50V J		R1409 R1410	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	
C1809	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1410	NRSA63J-103X	MG RESISTOR	100Ω 1/16W J	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
D4004	NDCA62D 224V	MC DECICTOR	2200 4/46W D		R1413	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J	
R1001 R1002	NRSA63D-221X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	220Ω 1/16W D 0Ω 1/16W J		R1414 R1415	NRSA63J-102X NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1416	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1417	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1005 R1006	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J		R1419 R1420	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1012 R1013	NRSA63J-0R0X NRSA02J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/10W J		R1429 R1430	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		R1430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		R1434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1435	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1018 R1019	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R1436 R1437	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J	
R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D		R1438	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1022 R1024	NRSA63D-152X NRSA63D-272X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W D 2.7kΩ 1/16W D		R1439 R1440	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J	
R1024 R1027	NRSA63J-272X NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R1440 R1441	NRSA63J-101X NRSA63J-103X	MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J	
R1028	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R1443	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1029	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1444	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1030 R1031	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J		R1445 R1446	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1033	NRSA63J-471X	MG RESISTOR			R1448	NRSA63J-101X	MG RESISTOR		
R1035 R1036	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR MG RESISTOR			R1449 R1450	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR		
R1037	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D		R1451	NRSA63J-101X	MG RESISTOR		
R1038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1452	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1039 R1040	NRSA63J-102X NRSA63D-101X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 100Ω 1/16W D		R1453 R1458	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1459	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1460	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1043	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D		R1461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1044 R1045	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J		R1462 R1465	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R1466	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1047	NRSA63D-201X	MG RESISTOR	200Ω 1/16W D		R1467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1048 R1049	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J		R1468 R1469	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR		
R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R1470	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1051	NRSA63D-271X	MG RESISTOR	270Ω 1/16W D		R1471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1052 R1053	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J		R1472 R1473	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J	
R1053	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D		R1473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1055	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D		R1475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1056 R1057	NRSA63J-222X NRSA63J-330X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 33Ω 1/16W J		R1476 R1477	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1057 R1059	NRSA63J-330X NRSA63J-471X		33Ω 1/16W J 470Ω 1/16W J		R1477 R1478	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R1060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1061	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1480	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1065 R1066	NRSA63J-121X NRSA63J-101X	MG RESISTOR MG RESISTOR	120Ω 1/16W J 100Ω 1/16W J		R1481 R1482	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J	
R1067	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J		R1483	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
R1491	NRSA63J-102X	MG RESISTOR			R2112	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1493	NRSA63J-0R0X	MG RESISTOR			R2113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1494	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2114 R2115	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1495 R1601	NRSA63J-103X NRSA63J-220X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 22Ω 1/16W J		R2115 R2201	NRSA63J-330X NRSA63J-103X	MG RESISTOR MG RESISTOR	33Ω 1/16W J 10kΩ 1/16W J	
R1602	NRSA63J-220X	MG RESISTOR			R2202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1603	NRSA63J-220X	MG RESISTOR			R2203	NRSA63J-472X	MG RESISTOR		
R1604	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R2204	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2205	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1606 R1607	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J		R2206 R2207	NRSA63J-220X NRSA63J-220X	MG RESISTOR MG RESISTOR		
R1608	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2208	NRSA63J-820X	MG RESISTOR		
R1613	NRSA63J-220X	MG RESISTOR			R2209	NRSA63J-220X	MG RESISTOR		
R1614	NRSA63J-220X	MG RESISTOR			R2210	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1615 R1616	NRSA63J-220X NRSA63J-220X	MG RESISTOR MG RESISTOR	22Ω 1/16W J 22Ω 1/16W J		R2211 R2212	NRSA63J-330X NRSA63J-330X	MG RESISTOR MG RESISTOR	33Ω 1/16W J 33Ω 1/16W J	
R1617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2212	NRSA63J-330X	MG RESISTOR		
R1618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2214	NRSA63J-330X	MG RESISTOR		
R1619	NRSA63J-101X	MG RESISTOR			R2215	NRSA63J-330X	MG RESISTOR		
R1620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1001	NRZ0040-0R0X	NET RESISTOR		
R1621 R1622	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J		RA1002 RA1003	NRZ0040-0R0X NRZ0034-103W	NET RESISTOR	0Ω 1/16W J x4 10kΩ 1/32W J x4	
R1623	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1003	NRZ0034-103W		10kΩ 1/32W J x4	
R1624	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1005	NRZ0034-103W		10kΩ 1/32W J x4	
R1625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1006	NRZ0034-103W		10kΩ 1/32W J x4	
R1626	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1201	NRZ0034-103W		10kΩ 1/32W J x4	
R1627 R1628	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J		RA1202 RA1203	NRZ0034-103W NRZ0034-103W		10kΩ 1/32W J x4 10kΩ 1/32W J x4	
R1629	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1204	NRZ0034-103W		10kΩ 1/32W J x4	
R1630	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1401	NRZ0034-101W		100Ω 1/32W J x4	
R1631	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1402	NRZ0034-101W		100Ω 1/32W J x4	
R1632 R1641	NRSA63J-101X NRSA63J-220X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 22Ω 1/16W J		RA1403 RA1404	NRZ0034-101W NRZ0034-101W		100Ω 1/32W J x4 100Ω 1/32W J x4	
R1642	NRSA63J-220X	MG RESISTOR			RA1405	NRZ0034-101W		100Ω 1/32W J x4	
R1643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1406	NRZ0034-101W		100Ω 1/32W J x4	
R1644	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1407	NRZ0034-101W		100Ω 1/32W J x4	
R1653 R1654	NRSA63J-220X NRSA63J-220X	MG RESISTOR MG RESISTOR			RA1408 RA1409	NRZ0034-101W NRZ0034-101W		100Ω 1/32W J x4 100Ω 1/32W J x4	
R1655	NRSA63J-220X	MG RESISTOR			RA1410	NRZ0034-101W		100Ω 1/32W J x4	
R1656	NRSA63J-220X	MG RESISTOR			RA1411	NRZ0034-101W		100Ω 1/32W J x4	
R1657	NRSA63J-220X	MG RESISTOR			RA1609	NRZ0040-220X	NET RESISTOR		
R1658 R1659	NRSA63J-220X NRSA63J-220X	MG RESISTOR MG RESISTOR			RA1610 RA1611	NRZ0040-220X NRZ0040-220X	NET RESISTOR NET RESISTOR		
R1660	NRSA63J-220X	MG RESISTOR			RA1612	NRZ0040-220X	NET RESISTOR		
R1701	NRSA63J-271X	MG RESISTOR			RA1613	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R1702	NRSA63J-102X	MG RESISTOR			RA1614	NRZ0040-220X	NET RESISTOR		
R1703 R1704	NRSA63D-222X NRSA63D-222X	MG RESISTOR MG RESISTOR			RA1615 RA1616	NRZ0040-220X NRZ0040-220X	NET RESISTOR NET RESISTOR		
R1801		MG RESISTOR			RA1617	NRZ0040-101X		100Ω 1/16W J x4	
R1802	NRSA63J-0R0X	MG RESISTOR			RA1618	NRZ0040-101X		100Ω 1/16W J x4	
R1803	NRSA63J-103X	MG RESISTOR			RA1619	NRZ0040-101X		100Ω 1/16W J x4	
R1804 R1805	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR			RA1620 RA1621	NRZ0040-101X NRZ0040-101X		100Ω 1/16W J x4 100Ω 1/16W J x4	
R1807	NRSA63J-103X	MG RESISTOR			RA1622	NRZ0040-101X		100Ω 1/16W J x4	
R1809	NRSA63J-103X	MG RESISTOR			RA1623	NRZ0040-101X		100Ω 1/16W J x4	
R1810	NRSA63J-394X		390kΩ 1/16W J		RA1624	NRZ0040-101X		100Ω 1/16W J x4	
R1812 R1813	NRSA63J-0R0X NRSA63J-560X	MG RESISTOR MG RESISTOR			RA1625 RA1626	NRZ0040-220X NRZ0040-220X	NET RESISTOR NET RESISTOR	22Ω 1/16W J x4	
R1814	NRSA63J-560X	MG RESISTOR			RA1627	NRZ0040-220X NRZ0040-220X		22Ω 1/16W J x4	
R1815	NRSA63J-560X	MG RESISTOR			RA1628	NRZ0040-220X		22Ω 1/16W J x4	
R1816	NRSA63J-560X	MG RESISTOR			RA1629	NRZ0040-101X		100Ω 1/16W J x4	
R1817 R1818	NRSA63J-512X NRSA63D-562X	MG RESISTOR MG RESISTOR			RA1630 RA1631	NRZ0040-101X NRZ0040-101X		100Ω 1/16W J x4 100Ω 1/16W J x4	
R1819	NRSA63D-751X	MG RESISTOR			RA1632	NRZ0040-101X		100Ω 1/16W J x4	
R1820	NRSA63J-103X	MG RESISTOR			RA1801	NRZ0034-103W		10kΩ 1/32W J x4	
R1821	NRSA63J-102X	MG RESISTOR			RA1802	NRZ0034-103W		10kΩ 1/32W J x4	
R1822	NRSA63J-0R0X	MG RESISTOR			RA2101	NRZ0040-330X		33Ω 1/16W J x4	
R2101 R2102	NRSA63J-472X NRSA63J-103X	MG RESISTOR MG RESISTOR			RA2102 RA2103	NRZ0040-330X NRZ0040-330X	NET RESISTOR NET RESISTOR		
R2103	NRSA63J-562X	MG RESISTOR			RA2104	NRZ0040-330X	NET RESISTOR		
R2104	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		RA2208	NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4	
R2105	NRSA63J-820X	MG RESISTOR			RA2209	NRZ0040-330X	NET RESISTOR		
R2106 R2107	NRSA63J-220X NRSA63J-220X	MG RESISTOR MG RESISTOR			RA2210 RA2211	NRZ0040-330X NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4 33Ω 1/16W J x4	
R2107 R2108	NRSA63J-820X	MG RESISTOR			1774411	141750040-220V	INLT NEOROTOR	0022 1/ 10 VV J X4	
R2109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		L1004	NQL144K-100X	P COIL	10uH K	
R2110	NRSA63J-820X	MG RESISTOR			L1801	NQL144K-100X	P COIL	10uH K	
R2111	NRSA63J-330X	MG RESISTOR	3377 1/10AA 1		T1801	NQR0444-001X	CHOKE COIL		

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
B1001 B1007 B1008 B1202 B1405 B1802 CN1001 CN1002 CN1003 CN1402 CN1403 CN1801 CN2201 K1001 K1002 K1003 K1004 K1005 K1006 K1007 K1008	NRSA02J-0R0X NRSA02J-0R0X NRSA02J-0R0X NRSA02J-0R0X NRSA02J-0R0X NRSA02J-0R0X QGB2027L5-28X QGB2027L5-20X QGA2001F2-06V QGA2001F2-06V QGF1016C2-04W QGF1039C1-40W NRSA02J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR FERRITE BEADS MG RESISTOR FERRITE BEADS	0Ω 1/16W J		K2209 K2210 K2211 K2212 K2213 K2214 K2215 K2216 K2217 K2218 K2219 K2220 K2221 LC1401 LC1402 LC1403 SD1 X1401 X1801 OT1	NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0129-002X NQR0512-008X NQR0512-008X NQR0512-008X NQR0512-008X LP21279-001A NAX05580-001X NAX0551-001X LC41656-001A	FERRITE BEADS EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER COOLING SHEET	27.0000MHz 24.576MHz	
K1000 K1009 K1010	NRSA63J-0R0X NRSA63J-0R0X NQR0129-002X	MG RESISTOR FERRITE BEADS	0Ω 1/16W J		Main k	ooard			
K1010 K1011 K1012	NQR0129-002X	FERRITE BEADS	3					Block	No. [0][3]
K1013	NQR0129-002X NQR0129-002X	FERRITE BEADS	3		⚠ Symbol No.	Part No.	Part Name	Description	Local
K1014 K1015	NQR0129-002X NQR0129-002X	FERRITE BEADS							
K1016 K1017	NQR0129-002X NQR0129-002X	FERRITE BEADS			PW1 PW1	LPA10239-04F1 LPA10239-05E1	MAIN BOARD AS MAIN BOARD AS		20EF,30EF 20EK,30EK
K1018 K1019	NQR0129-002X	FERRITE BEADS	3		PW1	LPA10239-06E1	MAIN BOARD AS	SSY	20E,30E,30ER
K1020	NRSA02J-0R0X NQR0129-002X	MG RESISTOR FERRITE BEADS			IC3001	HD6432194SXE01I		MASK	
K1021 K1022	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		IC3002 IC3004	IC-PST3427U-X LPN0876-003B-33		*(REFER TO BELOW	) 20EF.30EF
K1023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		IC3004	LPN0876-001B-32	! IC(EEPROM)	*(REFER TO BELOW	) 20EK,30EK
K1201 K1401	NRSA63J-0R0X NRSA02J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/10W J		IC3004 IC4001	LPN0876-002B-31 JCP8038-I	IC(EEPROM) IC	*(REFER TO BELOW	) 20E,30E,30ER
K1402	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		IC4001	or JCP8038	IC		
K1403 K1404	NRSA02J-0R0X NQR0339-001X	MG RESISTOR FERRITE BEADS	0Ω 1/10W J		IC4201 IC4301	LC74793 LA7357M-W	IC IC		20EF,30EF
K1406	NQR0339-001X	FERRITE BEADS			IC4304	74HC4538D-X	IC		20EF,30EF
K1407	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		IC6701 IC6701	MSP3417GQGB8V3X or MSP3417G-X	IC IC		
K1408 K1701	NRSA02J-0R0X NRSA02J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/10W J 0Ω 1/10W J		IC7301	MM1623XF-X	IC		
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		IC7302	MM1508XN-X TC74HC4053AF->	IC		
K1801 K2101	NRSA02J-0R0X NQR0129-002X	MG RESISTOR FERRITE BEADS	0Ω 1/10W J		IC7303 IC7303	or CD74HC4053NS-X			
K2102	NQR0129-002X	FERRITE BEADS	3		IC7304	MM1501XN-X	IC		
K2103 K2104	NQR0129-002X NQR0129-002X	FERRITE BEADS			IC8001 IC8201	AK5365VQ AK4385VT-X	IC IC		
K2105	NQR0129-002X	FERRITE BEADS			IC8201	or AK4381VT-X	IC		
K2106	NQR0129-002X	FERRITE BEADS			IC8202 IC8301	BA15218F-XE LA7151M-X	IC IC		
K2107 K2108	NQR0129-002X NQR0129-002X	FERRITE BEADS			IC8302	LA7151M-X	IC		
K2109	NQR0129-002X	FERRITE BEADS			IC8303	BA15218F-XE	IC		
K2110 K2111	NQR0129-002X NQR0129-002X	FERRITE BEADS			IC8501	SN74LV08APW-X	С		
K2112	NQR0129-002X	FERRITE BEADS			Q3004	2SC2412K/QRS/-X			
K2113	NQR0129-002X	FERRITE BEADS				or 2SD601A/QRS/-X or 2SC3928A/QRS/-X			
K2114 K2115	NQR0129-002X NQR0129-002X	FERRITE BEADS			Q3007	UN221E-X	TRANSTSTOR		
K2116	NQR0129-002X	FERRITE BEADS	3			or DTC144WKA-X	DIGI TRANSISTO		
K2117 K2118	NQR0129-002X NQR0129-002X	FERRITE BEADS			Q3007 Q3009	or RT1N44HC-X UN221E-X	DIGI TRANSISTO TRANSTSTOR	JR	
K2110	NQR0129-002X	FERRITE BEADS			Q3009	or DTC144WKA-X	DIGI TRANSISTO		
K2120	NQR0129-002X	FERRITE BEADS	3		Q3009 Q3010	or RT1N44HC-X UN221E-X	DIGI TRANSISTO TRANSTSTOR	)R	
K2121 K2201	NQR0129-002X NQR0129-002X	FERRITE BEADS				or DTC144WKA-X	DIGI TRANSISTO	OR .	
K2201	NQR0129-002X	FERRITE BEADS			Q3010	or RT1N44HC-X	DIGI TRANSISTO		
K2203	NQR0129-002X	FERRITE BEADS			Q4001 Q4001	2SB709A/QR/-X or 2SA1037AK/QR/->			
K2204 K2205	NQR0129-002X NQR0129-002X	FERRITE BEADS				or 2SA1530A/QR/-X			
K2206	NQR0129-002X	FERRITE BEADS	3		Q4003	2SD601A/QRS/-X	TRANSISTOR		
K2207 K2208	NQR0129-002X	FERRITE BEADS				or 2SC2412K/QRS/-X or 2SC3928A/QRS/-X			
N22U0	NQR0129-002X	FERRITE BEADS	,		G 1000	5. 2000020/ V Q ( \0/-/\			

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
Q4101 Q4101 o Q4301 o Q4301 o Q4302 o Q4302 o Q4302 o Q4303 o Q4303 o Q4303 o Q6030 o Q6030 o Q6031 o	2SC2412K/QRS/-X r 2SC3928A/QRS/-X 2SD2144S/UV/-T r 2SC3576-JVC-T 2SD601A/QRS/-X r 2SC2412K/QRS/-X r 2SC3928A/QRS/-X r 2SA1037AK/QR/-X r 2SA1530A/QR/-X r TST114EKA-X r TT114EKA-X r RT11141C-X 2SC1317/RS/-T	TRANSISTOR		20EF,30EF 20EF,30EF 20EF,30EF 20EF,30EF 20EF,30EF 20EF,30EF 20EF,30EF 20EF,30EF	D3004 D3004 D3005 D3005 D3007 D3007 D3008 D3008 D4001 D4002 D4301 D6002 D6701 D6701 D7304 D8001	or MTZJ39C-T2 10EDB20-T2 or 1A3G-T2 10EDB20-T2 or 1A3G-T2 1SS355-X or MA111-X 1SS355-X or MA111-X DA204U-X DA204U-X 1SS133-T2 HZ30-2L-T2 or HZ30-2L-T2 or HZ30-2L-T2 or 1SS270A-T2 1SS133-T2 1SS355-X or MA111-X 1SS355-X	Z DIODE SI DIODE DIODE Z DIODE DIODE SI DIODE		20EF,30EF
Q7301 Q7301 0 Q7301 0 Q7302 0 Q7302 0 Q7310 0 Q7310 0 Q7311 0 Q7311 0 Q7311 0 Q7312 0 Q7312 0 Q7312 0 Q7313 0 Q7313 0 Q7313 0	2SD601A/QRS/-X r 2SC2412K/QRS/-X r 2SC3928A/QRS/-X r 2SC3928A/QRS/-X r 2SC3928A/QRS/-X r 2SC3928A/QRS/-X r 2SC3928A/QRS/-X r 2SA1037AK/QR/-X r 2SA1530A/QR/-X r T2SA1530A/QR/-X r T1N44HC-X uN221E-X r DTC144WKA-X r RT1N44HC-X uN221E-X r DTC144WKA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR (TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR (TRANSISTOR	DR DR DR DR		C3007 C3010 C3014 C3015 C3016 C3022 C3024 C3024 C3025 C3027 C3030 C3031 C3032 C3033 C3036 C3037 C3038 C3038 C3038 C3038 C3039 C3041	NCB30JK-105X QEZ0244-229 QEKJ0JM-476Z NCB31CK-104X NCB31CK-104X NDC31HJ-120X NDC31HJ-120X QAT3725-300Z QERF1CM-106Z QEKJ0JM-476Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NDC31HJ-180X NDC31HJ-180X QEKJ0JM-476Z NCB31EK-103X NDC31HJ-180X	C CAPACITOR EDL CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR TRIM CAPACITOR	47uF 6.3V M 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 12pF 50V J 22pF 50V J	20EF,20EK,30EF,30EK 20E,30E,30ER 20E,30E,30ER
Q7314 0 Q7315 0 Q7315 0 Q7315 0 Q7316 0 Q7316 0 Q7317 0 Q7317 0 Q8201 0 Q8202 Q8202 0 Q8202 Q8202 0 Q8203 Q8203 0 Q8205 Q8205 Q8205 0 Q8205 Q8205 Q8205 0 Q8206 Q8206 0 Q8207 Q8208 0 Q8208 0 Q8208 0 Q8209 0 Q8200 0	TITL 144WKA-X T RT1N140C-X T RT1N140C-X T RT1N140C-X T UN2215-X 2SB709A/QR/-X T 2SA1037AK/QR/-X T 2SA1037AK/QR/-X T 2SA1530A/QR/-X T 2SA1530A/QR/-X T 2SA1530A/QR/-X UN221E-X T DTC144WKA-X T RT1N44HC-X UN211E-X T DTA144WKA-X T RT1P44HC-X 2SC2412K/QRS/-X 2SC2412K/QRS/-X 2SC2412K/QRS/-X T 2SD601A/QRS/-X T 2SD601A/QRS/-X T 2SC3928A/QRS/-X 2SC2412K/QRS/-X T 2SC3928A/QRS/-X T 2SD601A/QRS/-X T 2SC3928A/QRS/-X T 2SC412K/QRS/-X T 2SC601A/QRS/-X T 2SC601A/QRS/-X T 2SC601A/QRS/-X T 2SC601A/QRS/-X T 2SC601A/QRS/-X T 2SC601A/QRS/-X T 2SD601A/QRS/-X	DIGI TRANSISTO TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	DR DR DR DR DR DR		C3041 C3042 C3050 C3051 C3054 C4001 C4002 C4003 C4006 C4008 C4010 C4012 C4013 C4015 C4016 C4018 C4019 C4021 C4022 C4022 C4023 C4024 C4025 C4026 C4027 C4028 C4029 C4030 C4033 C4034 C4035 C4036 C4037 C4039	QETNOJM-4772 NCB31CK-104X NCB31HK-272X NCB31EK-103X QEKJ0JM-4762 NCB31CK-104X NCF31AZ-105X NCB31EK-103X NCF31AZ-105X NCB31EK-103X NCF31AZ-105X NCB31EK-103X NCF31AZ-105X NCB31EK-103X NCF31AZ-105X NCB31EK-103X NCF31AZ-105X NCB31EK-103X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	470uF 6.3V M 0.1uF 16V K 2700pF 50V K 0.01uF 25V K 470uF 6.3V M 0.1uF 16V K 10V Z 0.01uF 25V K 10F 10V Z 0.01uF 25V K	ZVET,ZVEN,ZVEN
Q8304 o D3002	r 2SC3928A/QRS/-X 1SS133-T2 r 1SS270A-T2				C4049 C4040 C4041 C4043 C4045 C4046	NCB31EK-103X NCB31EK-103X NCB31EK-103X NCB31EK-104X QEKJ1HM-225Z NCB31EK-103X	C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR	0.01uF 25V K 0.01uF 25V K 0.01uF 25V K 0.1uF 25V K 2.2uF 50V M 0.01uF 25V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4049 C4055	NRSA63J-0R0X NCB31EK-104X	MG RESISTOR C CAPACITOR	0Ω 1/16W J 0.1uF 25V K		C7337 C7338	QETN0JM-477Z QETN0JM-477Z	E CAPACITOR E CAPACITOR	470uF 6.3V M 470uF 6.3V M	
C4056	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7339	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4065	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M		C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4067 C4068	NDC31HJ-151X NCB31HK-102X	C CAPACITOR C CAPACITOR	150pF 50V J 1000pF 50V K		C7345 C7346	NCB31EK-103X QEKJ1CM-107Z	C CAPACITOR E CAPACITOR	0.01uF 25V K 100uF 16V M	
C4069	NDC31HJ-821X	C CAPACITOR	820pF 50V J		C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C4071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4072 C4081	QERF0JM-107Z NCB31HK-102X	E CAPACITOR C CAPACITOR	100uF 6.3V M 1000pF 50V K		C7351 C7354	NCB31HK-102X NDC31HJ-681X	C CAPACITOR C CAPACITOR	1000pF 50V K 680pF 50V J	
C4109	QERF1CM-476Z	E CAPACITOR	47uF 16V M		C7355	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		C7368	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C4201 C4202	QERF1AM-227Z NCB31CK-104X	E CAPACITOR C CAPACITOR	220uF 10V M 0.1uF 16V K		C7369 C7371	NDC31HJ-6R0X NCB31EK-103X	C CAPACITOR C CAPACITOR	6pF 50V J 0.01uF 25V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8001	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8002	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4207 C4208	NCB31CK-563X QEKJ1HM-475Z	C CAPACITOR E CAPACITOR	0.056uF 16V K 4.7uF 50V M		C8005 C8007	QEKJ1HM-105Z QERF1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M 1uF 50V M	
C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K		C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C4210	QERF1AM-227Z	E CAPACITOR	220uF 10V M		C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C4211 C4301	NCB31EK-103X NCB31EK-103X	C CAPACITOR C CAPACITOR	0.01uF 25V K 0.01uF 25V K	20EF,30EF	C8010 C8011	QEKJ1HM-105Z QEKJ1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M 1uF 50V M	
C4301	QERF1CM-476Z	E CAPACITOR	47uF 16V M	201,301	C8012	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C4304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	20EF,30EF	C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C4305 C4306	NCB31EK-103X NCB31EK-103X	C CAPACITOR C CAPACITOR	0.01uF 25V K 0.01uF 25V K	20EF,30EF 20EF,30EF	C8021 C8022	QEKJ1HM-475Z QEKJ1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M	
C4307	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	20EF,30EF 20EF,30EF	C8022	QEKJ0JM-107Z	E CAPACITOR E CAPACITOR	100uF 6.3V M	
C4308	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	20EF,30EF	C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4309	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	20EF,30EF	C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4310 C4318	NDC31HJ-471X NCB31CK-104X	C CAPACITOR C CAPACITOR	470pF 50V J 0.1uF 16V K	20EF,30EF 20EF,30EF	C8026 C8027	NCB31CK-104X QEKJ0JM-107Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 100uF 6.3V M	
C4319	NDC31HJ-471X	C CAPACITOR	470pF 50V J	20EF,30EF	C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6006	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	20E,20EK,30E,30EK,30ER	C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6007 C6014	QEKJ0JM-337Z NCB21HK-103X	E CAPACITOR C CAPACITOR	330uF 6.3V M 0.01uF 50V K		C8202 C8203	QETJ0JM-477Z NCB31HK-472X	E CAPACITOR C CAPACITOR	470uF 6.3V M 4700pF 50V K	
C6037	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	20EF,30EF	C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C6701	NCB21HK-102X	C CAPACITOR	1000pF 50V K		C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C6707 C6708	NDC21HJ-470X NDC21HJ-8R0X	C CAPACITOR C CAPACITOR	47pF 50V J 8pF 50V J		C8206 C8207	NCB31HK-472X NDC31HJ-471X	C CAPACITOR C CAPACITOR	4700pF 50V K 470pF 50V J	
C6709	NDC21HJ-8R0X	C CAPACITOR	8pF 50V J		C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C6713	NCF21CZ-224X	C CAPACITOR	0.22uF 16V Z		C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6714 C6715	NCB21HK-222X QEKJ1HM-225Z	C CAPACITOR E CAPACITOR	2200pF 50V K 2.2uF 50V M		C8210 C8211	QETJ1CM-227Z NCB31CK-104X	E CAPACITOR C CAPACITOR	220uF 16V M 0.1uF 16V K	
C6716	NCB21HK-222X	C CAPACITOR	2200pF 50V K		C8212	QETJ1CM-227Z	E CAPACITOR	220uF 16V M	
C6717	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C8215	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C6719 C6720	QEKJ1CM-106Z QEKJ1CM-106Z	E CAPACITOR E CAPACITOR	10uF 16V M 10uF 16V M		C8217 C8220	QETJ1EM-476Z NCF31EZ-104X	E CAPACITOR C CAPACITOR	47uF 25V M 0.1uF 25V Z	
C6721		C CAPACITOR			C8301			470uF 16V M	
C6723	NCB21HK-103X		0.01uF 50V K	00550055	C8302	NCB31CK-104X		0.1uF 16V K	
C6724 C6753	QEKJ1HM-225Z QEKJ0JM-337Z	E CAPACITOR E CAPACITOR	2.2uF 50V M 330uF 6.3V M	20EF,30EF	C8303 C8304	QEKJ1HM-475Z QEKJ1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M	
C7202	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		C8305	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7203	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		C8306	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7301 C7302	QEKJ0JM-107Z NCB31CK-104X	E CAPACITOR C CAPACITOR	100uF 6.3V M 0.1uF 16V K		C8307 C8308	QEKJ1HM-475Z QEKJ1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8311	QETN1CM-477Z		470uF 16V M	
C7304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7305 C7306	NCB30JK-105X NCB30JK-105X	C CAPACITOR C CAPACITOR	1uF 6.3V K 1uF 6.3V K		C8313 C8314	QEKJ1HM-475Z QEKJ1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M		C8315	QEKJ1HM-475Z		4.7uF 50V M	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7309 C7310	NCB30JK-105X NCB30JK-105X	C CAPACITOR C CAPACITOR	1uF 6.3V K 1uF 6.3V K		C8317 C8318	QEKJ1HM-475Z QEKJ1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M	
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8321	QETN1CM-227Z		220uF 16V M	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8322	NCB31CK-104X		0.1uF 16V K	
C7313 C7314	NCB31CK-104X NCB31EK-103X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.01uF 25V K		C8323 C8324	QETN1CM-227Z NCB31CK-104X		220uF 16V M 0.1uF 16V K	
C7314	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		C8401	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C7316	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M		C8402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7317 C7318	NCB31CK-104X QEKJ1HM-475Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 4.7uF 50V M		C8501 C8502	QEKC1CM-107Z NCB31CK-104X		100uF 16V M 0.1uF 16V K	
C7318	QEKJ1HM-475Z		4.7uF 50V M		C8502	QEKC1HM-475Z		4.7uF 50V M	
C7327	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C7330 C7331	NCB31HK-102X NCB31HK-102X	C CAPACITOR C CAPACITOR	1000pF 50V K 1000pF 50V K		C8505 C8506	NDC31HJ-331X NCB31CK-104X	C CAPACITOR C CAPACITOR	330pF 50V J 0.1uF 16V K	
C7334	NDC31HJ-681X	C CAPACITOR	680pF 50V J		00000	140001010-1047	J JAI AUTOR	0.101 10V K	
C7335	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R3011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
R3012 R3016	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R4017 R4018	NRSA63J-102X NRSA63J-272X	MG RESISTOR MG RESISTOR		
R3017	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R4021	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3018	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R4026	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3022	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4027	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3028 R3029	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J		R4028 R4029	NRSA63J-562X NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J	
R3038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4044	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4045	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3040	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3041 R3044	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J		R4047 R4048	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J	
R3046	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3047	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3048	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4105	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3049 R3050	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R4201 R4203	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	
R3051	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3052	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4205	NRSA63J-0R0X	MG RESISTOR		
R3053 R3054	NRSA63J-471X	MG RESISTOR MG RESISTOR	470Ω 1/16W J		R4207 R4208	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J	
R3055	NRSA63J-471X NRSA63J-102X	MG RESISTOR	470Ω 1/16W J 1kΩ 1/16W J		R4200 R4209	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J	
R3060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4211	NRSA63J-562X	MG RESISTOR		
R3062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R4301	NRSA63J-561X	MG RESISTOR		20EF,30EF
R3063 R3066	NRSA63J-0R0X NRSA63J-472X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 4.7kΩ 1/16W J		R4302 R4304	NRSA63J-0R0X NRSA63J-223X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 22kΩ 1/16W J	20EF,30EF 20EF,30EF
R3069	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R4305	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	20EF,30EF
R3071	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R4306	NRSA63J-122X		1.2kΩ 1/16W J	20EF,30EF
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	20EF,30EF
R3073 R3075	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R4308 R4309	NRSA63J-223X NRSA63J-222X	MG RESISTOR MG RESISTOR		20EF,30EF 20EF,30EF
R3076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4310	NRSA63J-822X	MG RESISTOR		20EF,30EF
R3079	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4311	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	20EF,30EF
R3088 R3089	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R4312 R4317	NRSA63J-0R0X NRSA63J-223X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 22kΩ 1/16W J	20EF,30EF 20EF,30EF
R3090	NRSA63J-0R0X	MG RESISTOR			R4317 R4318	NRSA63J-103X	MG RESISTOR		20EF,30EF
R3094	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4319	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	20EF,30EF
R3095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	20EF,30EF
R3096 R3097	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J		R6020 R6021	NRSA02J-102X NRSA02J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/10W J 1kΩ 1/10W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		R6030	NRSA02J-102X	MG RESISTOR	3.3kΩ 1/10W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R6031	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6032	NRSA02J-183X	MG RESISTOR	18kΩ 1/10W J	20EF,30EF 20EF.30EF
R3219 R3220	NRSA63J-472X NRSA63J-104X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 100kΩ 1/16W J		R6033 R6080	NRSA02J-183X NRSA02J-103X	MG RESISTOR MG RESISTOR	18kΩ 1/10W J 10kΩ 1/10W J	20EF,30EF
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6707	NRSA02J-330X	MG RESISTOR	33Ω 1/10W J	
R3224	NRSA63J-472X	MG RESISTOR			R6708	NRSA02J-103X	MG RESISTOR		
R3225	NRSA63J-471X	MG RESISTOR			R6709	NRSA02J-102X	MG RESISTOR		
R3226 R3229	NRSA63J-471X NRSA63J-105X	MG RESISTOR MG RESISTOR			R6710 R6711	NRSA02J-0R0X NRSA02J-104X	MG RESISTOR MG RESISTOR		
R3230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6712	NRSA02J-102X	MG RESISTOR		
R3231	NRSA63J-102X	MG RESISTOR			R6713	NRSA02J-123X	MG RESISTOR		
R3233 R3234	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR			R6714 R6715	NRSA02J-102X NRSA02J-123X	MG RESISTOR MG RESISTOR		
R3235	NRSA63J-332X	MG RESISTOR			R6716	NRSA02J-470X	MG RESISTOR		
R3236	NRSA63J-332X	MG RESISTOR			R6719	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3237	NRSA63J-332X	MG RESISTOR			R6720	NRSA02J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/10W J	
R3239 R3240	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J		R6721 R7202	NRSA02J-562X NRSA63J-221X	MG RESISTOR		
R3242	NRSA63J-472X	MG RESISTOR			R7203	NRSA63J-472X	MG RESISTOR		
R3248	NRSA63J-0R0X	MG RESISTOR			R7204	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	
R3249 R3251	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR			R7301 R7302	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR		
R3251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7302 R7303	NRSA63J-392X	MG RESISTOR	3.9kO 1/16W J	
R3256	NRSA63J-103X	MG RESISTOR			R7304	NRSA63J-223X	MG RESISTOR		
R3257	NRSA63J-103X	MG RESISTOR			R7305	NRSA63J-331X	MG RESISTOR		
R3258 R3260	NRSA63J-103X NRSA63J-103X		10kΩ 1/16W J 10kΩ 1/16W J		R7309 R7311	NRSA63J-104X QRE141J-153Y	MG RESISTOR C RESISTOR	100kΩ 1/16W J 15kΩ 1/4W J	
R4001	NRSA63J-0R0X	MG RESISTOR			R7311	NRSA63J-103X	MG RESISTOR		
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7314	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4004	NRSA63J-0R0X	MG RESISTOR			R7315	NRSA63J-472X	MG RESISTOR		
R4006 R4007	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR			R7318 R7319	NRSA63D-750X NRSA63D-750X	MG RESISTOR MG RESISTOR		
R4007 R4009	NRSA63J-0R0X		0Ω 1/16W J		R7319	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4010	NRSA63J-332X	MG RESISTOR	$3.3k\Omega$ 1/16W J		R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4011	NRSA63J-0R0X	MG RESISTOR			R7336	NRSA63J-101X	MG RESISTOR		
R4012	NRSA63J-0R0X	MG RESISTOR	022 1/ IOVV J		R7337	NRSA63J-101X	MG RESISTOR	10024 I/ IOVV J	

⚠ Symbol No.	Part No.	Part Name	Description	Local	⚠ Symbol No.	Part No.	Part Name	Description	Local
R7338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7339	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7340 R7341	NRSA63J-750X NRSA63J-102X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 1kΩ 1/16W J		R8244 R8249	NRSA63J-682X NRSA63J-273X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 27kΩ 1/16W J	
R7342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7343	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7344	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7345 R7346	NRSA63D-750X NRSA63D-680X	MG RESISTOR MG RESISTOR	75Ω 1/16W D 68Ω 1/16W D		R8302 R8303	NRSA63J-100X NRSA63J-471X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 470Ω 1/16W J	
R7347	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8304	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7349	QRE121J-331Y	C RESISTOR	330Ω 1/2W J		R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R8306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7351 R7352	NRSA63J-562X NRSA63J-332X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J		R8307 R8308	NRSA63J-273X NRSA63J-682X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 6.8kΩ 1/16W J	
R7353	NRSA63J-101X	MG RESISTOR	3.3kΩ 1/16W J 100Ω 1/16W J		R8309	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8310	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7355	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8311	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7356	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8312	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7357	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8313	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7358 R7359	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J		R8314 R8315	NRSA63J-682X NRSA63J-470X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 47Ω 1/16W J	
R7360	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8316	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7361	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8321	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7367	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R8322	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7378 R8001	QRE141J-103Y NRSA63J-513X	C RESISTOR MG RESISTOR	10kΩ 1/4W J 51kΩ 1/16W J		R8324 R8325	NRSA63J-332X NRSA63J-103X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 10kΩ 1/16W J	
R8002	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R8015 R8016	NRSA63J-473X NRSA63J-473X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 47kΩ 1/16W J		R8505 R8506	NRSA63J-100X NRSA63J-100X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 10Ω 1/16W J	
R8017	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J		R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D		110001	1111071000 00 171	MO REGIOTOR	00022 1/1011 0	
R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D		L3001	QQL231J-R22Y	COIL	0.22uH J	
R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D		L4001	QQL29BJ-100Z	P COIL	10uH J	
R8022 R8023	NRSA63D-473X NRSA63D-473X	MG RESISTOR MG RESISTOR	47kΩ 1/16W D 47kΩ 1/16W D		L4002 L4006	QQL29BJ-100Z QQL29BJ-100Z	P COIL P COIL	10uH J 10uH J	
R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D		L4007	QQL29BJ-100Z QQL071J-8R2Y	COIL	8.2uH J	
R8026	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J		L4201	QQL29BJ-100Z	P COIL	10uH J	
R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D		L4301	QQL29BJ-100Z	P COIL	10uH J	20EF,30EF
R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D		L6001	QQL29BK-1R0Z	P COIL	1uH K	
R8033	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L6002	QQL29BK-1R0Z	P COIL	1uH K	
R8034 R8035	NRSA63J-470X NRSA63J-470X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 47Ω 1/16W J		L6005 L6701	QQL29BK-1R0Z QQL29BJ-3R3Z	P COIL P COIL	1uH K 3.3uH J	
R8036	NRSA63J-470X		47Ω 1/16W J		L7201	QQL29BJ-100Z	P COIL	10uH J	
R8039	NRSA63J-472X	MG RESISTOR			L7304	QQL29BJ-100Z	P COIL	10uH J	
R8040	NRSA63J-563X	MG RESISTOR			L7325	QQL071J-6R8Y	COIL	6.8uH J	
R8041	NRSA63J-823X	MG RESISTOR			L8501	QQL071J-1R0Y	COIL	1uH J	
R8042 R8043	NRSA63J-393X NRSA63J-823X	MG RESISTOR MG RESISTOR	39kΩ 1/16W J 82kΩ 1/16W J		B4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8044	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		B4002	NRSA63J-0R0X		0Ω 1/16W J	
R8045	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		B4102	NRSA63J-0R0X	MG RESISTOR		
R8046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		B7301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8047	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		B7304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8201 R8202	NRSA63J-100X NRSA63J-470X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 47Ω 1/16W J		B7305 B7306	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	
R8203	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		CN3001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
R8204	NRSA63J-470X		47Ω 1/16W J		CN3002	QGF1207C1-13	CONNECTOR	FFC/FPC (1-13)	
R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CN4001	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
R8211	NRSA63D-432X	MG RESISTOR			CN4101	QGB2027M5-28S		B-B (1-28)	
R8212	NRSA63D-432X	MG RESISTOR			CN4102	QGB2027M5-20S		B-B (1-20)	
R8213 R8214	NRSA63D-512X NRSA63D-512X		5.1kΩ 1/16W D 5.1kΩ 1/16W D		CN5101 CN7301	QGF1207C1-19 QGF1207C1-07	CONNECTOR CONNECTOR	FFC/FPC (1-19) FFC/FPC (1-7)	
R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		GN7301	QNZ0136-001Z	EARTH PLATE	(1-1)	
R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		GN2	QNZ0136-001Z	EARTH PLATE		
R8217	NRSA63D-432X	MG RESISTOR			GN5	QNZ0136-001Z	EARTH PLATE		
R8218	NRSA63D-432X	MG RESISTOR			GN6	QNZ0136-001Z	EARTH PLATE	OOMBUU IN WOOD	
R8219 R8220	NRSA63D-512X NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D		J4109	QNS0089-001 QNZ0516-001	3.5 JACK RGB CONNECTOR	COMPU LINK/SAT	
R8221	NRSA63D-121X	MG RESISTOR MG RESISTOR	5.1kΩ 1/16W D 120Ω 1/16W D		J7301 J7302	QNZ0516-001	RGB CONNECTOR		
R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		J7309	QNN0635-002	PIN JACK	COMPONENT	
R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		J8501	GP1FP513TKBF	OPT TRANSMITTER	OPTICAL/COAXIAL	=
R8224	NRSA63J-221X	MG RESISTOR			K6701	NQR0200-003X	FERRITE BEADS		
R8233 R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		K6702	NQR0200-003X	FERRITE BEADS		
N0204	NRSA63J-473X	MG RESISTOR	7/1/22 1/1/0/1/ J		K6703	NRSA02J-0R0X	MG RESISTOR	U VVUI \\ 1 \ 10 VV J	

⚠ Symbol No.	Part No.	Part Name	Description	Local	Opera	tion board	d		
					•			Block	No. [2][7]
K6704 K6705	NRSA02J-0R0X NQR0200-003X	MG RESISTOR FERRITE BEADS			⚠ Symbol No.	Part No.	Part Name	Description	Local
K6706	NQR0200-003X	FERRITE BEADS			ZZ Oymbor No.	r art No.	i ait ivailie	Description	Local
K6707	NQR0129-003X	FERRITE BESDA		20EF,30EF			005047101100	ADD 400V	
K6708 K8001	NQR0200-003X NRSA63J-4R7X	FERRITE BEADS MG RESISTOR			PW1 PW1	LPA10239-04F3 LPA10239-05E3	OPERATION BO		20EF,30EF 20EK,30EK
K8002	NQR0339-001X	FERRITE BEADS			PW1	LPA10239-06E3	OPERATION BO		20E,30E,30ER
K8201	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
K8401	NQR0339-001X	FERRITE BEADS			Q7103	DTA114ESA-T	DIGI TRANSIST		
K8501 TU6001	NQR0227-004X QAU0299-001	FERRITE BEADS TUNER	5	20EF,30EF	Q7104 Q7105	DTA114ESA-T DTA114ESA-T	DIGI TRANSIST		
TU6001	QAU0323-001	TUNER		20E,20EK,30E,30EK,30ER	Q7106	DTA114ESA-T	DIGI TRANSIST		
W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Q7107	DTA114ESA-T	DIGI TRANSIST	OR	
W2 W3	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		D7112	1SS133-T2	DIODE		
W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J			or 1SS270A-T2	SI DIODE		
W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D7113	1SS133-T2	DIODE		
W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J			or 1SS270A-T2	SI DIODE		
W7 W8	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		D7114 D7114	1SS133-T2 or 1SS270A-T2	DIODE SI DIODE		
W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D7115	1SS133-T2	DIODE		
W10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J			or 1SS270A-T2	SI DIODE		
W11 W12	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		D7123 D7124	SLR-343MC-T SDPC3DC0	LED LED	VIDEO DVD	
W12	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D7124 D7125	SLI-343URC3F	LED	DVD REC	
W14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D7126	SDPB3DC0	LED	HDD	
W15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D7127	SLI-343URC3F	LED	HDD REC	
W16 W17	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		C7150	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C7151	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C7153	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
W20 W21	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R7106	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
W21	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7108	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7110	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7112	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
W25 W26	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R7114 R7151	QRE141J-331Y NRSA63J-750X	C RESISTOR MG RESISTOR	330Ω 1/4W J 75Ω 1/16W J	
W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7152	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7153	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
W29 W30	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		R7154 R7155	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
W31	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W33	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN7101	QGF1208F1-13	CONNECTOR	FFC/FPC (1-13)	
W34 W35	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		CN7102 J7001	QGF1208F1-11 QND0084-001	CONNECTOR S JACK	FFC/FPC (1-11) FRONT S-VHS	
W36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		J7002	QNN0364-002	PIN JACK	FRONT A/V	
W37	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		S7113	QSW0381-001Z	TACT SWITCH	DVD	
W38 W39	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		S7114 S7115	QSW0381-001Z QSW0381-001Z	TACT SWITCH	HDD REC	
W40	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
W41	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		S7133	QSW0381-001Z	TACT SWITCH	STOP	
W42 W43	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		S7134 S7135	QSW0381-001Z QSW0381-001Z	TACT SWITCH TACT SWITCH	PLAY PAUSE	
W44	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W7151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W45	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W7152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W46	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W7153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W47 W48	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J		W7154	NRSA63J-0R0X	MG RESISTOR	002 1/16W J	
W49	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W51 W52	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J						
W53	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W54	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W55	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
W56 W57	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J						
X3001	QAX0444-001	CRYSTAL	32.768kHz	20EF,20EK,30EF,30EK					
X3001	QAX0445-001	CRYSTAL	32.768kHz	20E,30E,30ER					
X3002 X4001	QAX0527-001 QAX0576-001	CRYSTAL CRYSTAL	10.000000MHz 4.433619MHz						
X6701	QAX0370-001 QAX0773-001Z	CRYSTAL	18.432000MHz						
OT1	PEME0946-04	SPACER	(x3)						

### Swich display board

Block No. [2][8]

#### S/RCA Out board

Block No. [2][9]

			2.00	[-][-]
⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1 PW1 PW1	LPA10239-04F2 LPA10239-05E2 LPA10239-06E2	SWITCH DISPLA SWITCH DISPLA SWITCH DISPLA	Y BOARD ASSY	20EF,30EF 20EK,30EK 20E,30E,30ER
IC7002	UPD16315GB-3BS PT6315 GP1UM281XK PNA4652M00XB	IC IC IR DETECT UNIT IR DETECT UNIT		
	2SC1740S/QRS/-T · 2SC3199/YG/-T · KTC3199/YG/-T	TRANSISTOR TRANSISTOR TRANSISTOR		
D7021 D7021 or D7042	1SS133-T2 1SS270A-T2 RD9.1ES/B2/-T2 MTZJ9.1B-T2 1SS133-T2 1SS270A-T2 SDPB3DC0/Z1/	DIODE SI DIODE Z DIODE Z DIODE DIODE SI DIODE LED	ILLUMI.	
C7001 C7002 C7003 C7006 C7007 C7008 C7010 C7011 C7056	QCFB1HZ-104Y QCFB1HZ-104Y QEKJ1HM-106Z QEKJ0JM-476Z QCFB1HZ-104Y QEKJ0JM-227Z QCFB1HZ-473Y QCFB1HZ-473Y QEKJ1EM-106Z	C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR	0.1uF 50V Z 0.1uF 50V Z 10uF 50V M 47uF 6.3V M 0.1uF 50V Z 220uF 6.3V M 0.047uF 50V Z 0.047uF 50V Z 10uF 25V M	
R7001 R7002 R7003 R7005 R7006 R7007 R7009 R7010 R7013 R7014 R7015 R7044 R7045 R7047	NRSA63J-103X NRSA63J-103X NRSA63J-823X NRSA63J-472X NRSA63J-472X NRSA63J-102X QRE141J-103Y NRSA63J-103X NRSA63J-333X NRSA63J-333X NRSA63J-333X QRE141J-182Y QRE141J-182Y QRE141J-182Y	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR	$\begin{array}{c} 10 k\Omega \ 1/16 W \ J \\ 10 k\Omega \ 1/16 W \ J \\ 82 k\Omega \ 1/16 W \ J \\ 4.7 k\Omega \ 1/16 W \ J \\ 4.7 k\Omega \ 1/16 W \ J \\ 1/16 W \ J \\ 10 k\Omega \ 1/16 W \ J \\ 10 k\Omega \ 1/16 W \ J \\ 33 k\Omega \ 1/16 W \ J \\ 33 k\Omega \ 1/16 W \ J \\ 18 k\Omega \ 1/16 W \ J \\ 1.8 k\Omega \ 1/4 W \ J \\ 47 \Omega \ 1/4 W \ J \\ 1.8 k\Omega \ 1/4 W \ J \\ 1.8 k\Omega \ 1/4 W \ J \\ \end{array}$	
CN7001 DI7001 HD1 HD2 S7001	QGF1207C1-18 QLF0121-001 PQ34949-1-1 LP21255-001A QSW0381-001Z	CONNECTOR FL TUBE FL HOLDER(L) FL HOLDER(R) TACT SWITCH	FFC/FPC (1-18) STANDBY/ON	

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-04F5	S/RCA OUT BOA	ARD ASSY	20EF,30EF
PW1	LPA10239-05E5	S/RCA OUT BOA		20EK,30EK
PW1	LPA10239-06E5	S/RCA OUT BOA		20E,30E,30ER
C7326	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7365	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7367	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R7327	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7328	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN7312	QGF1208F1-07	CONNECTOR	FFC/FPC (1-7)	
J7307	QNN0631-001	PIN JACK	REAR AUDIO OUT	
J7308	QND0009-001	S JACK	REAR S-VIDEO OU	

#### Jack board

Block No. [3][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1 PW1 PW1	LPA10239-04F4 LPA10239-05E4 LPA10239-06E4	JACK BOARD AS JACK BOARD AS JACK BOARD AS	SSY	20EF,30EF 20EK,30EK 20E,30E,30ER
CN4104 J4112 OT1	QGB2027M1-10S QNZ0575-001 QZW0021-001	CONNECTOR D CONNECTOR PC SUPPORT	B-B (1-10) FRONT DV	

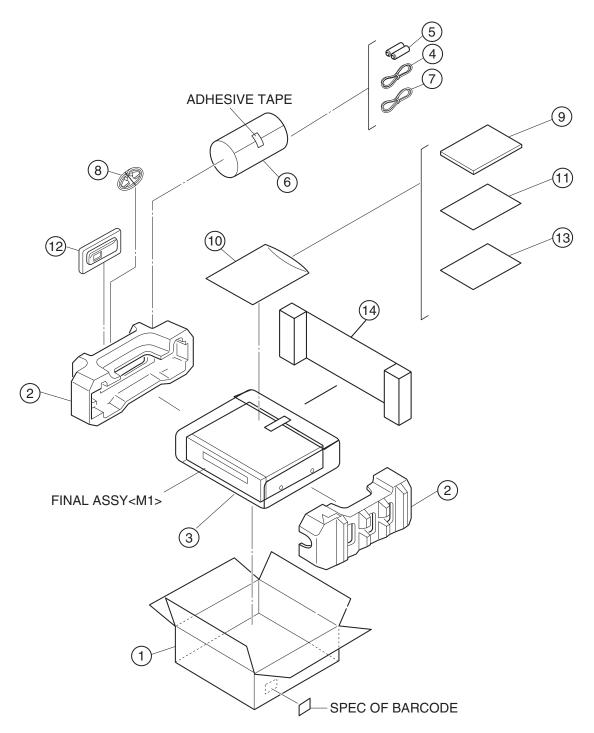
#### **MAIN SUB board**

Block No. [9][9]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB20835G-CS	MAIN SUB CM AS	SSY	
K0110 K0120 K0130	NQR0129-002X NQR0129-002X NQR0129-002X	FERRITE BEAD FERRITE BEAD FERRITE BEAD	S	

# Packing materials and accessories parts list

Block No.M2MM



## Packing and accessories

## Block No. [M][2][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local	
1	LP31384-013A	PACKING CASE		20E	
1	LP31384-014A	PACKING CASE		20EF	
1	LP31384-015A	PACKING CASE		20EK	
1	LP31384-008A	PACKING CASE		30E	
1	LP31384-009A	PACKING CASE		30EF	
1	LP31384-010A	PACKING CASE		30EK	
1	LP31384-026A	PACKING CASE		30ER	
2	LP31387-002A	CUSHION ASSY			
3	PQM30021-93	POLY BAG			
4	QAM0525-002	RF CABLE			
5		BATTERY	R6 TYPE(x2)		
6	QPC02202230P	POLY BAG	22cm x 22cm		
7	QAL0517-005	LED CABLE ASSY			
8	QAM0502-002	PERI CABLE			
<b></b> 9	LPT0923-001A	INST.BOOK	(ENGLISH)	20E,30E	
<b></b> 9	LPT0923-002A	INST.BOOK	(GERMANY)	20E,30E	
<b>⚠</b> 9	LPT0923-003A	INST.BOOK	(FRENCH)	20E,30E	
<b></b> 9	LPT0923-004A	INST.BOOK	(DUTCH)	20E,30E	
<b></b> 9	LPT0923-005A	INST.BOOK	(SPANISH)	20E,30E	
<b>⚠</b> 9	LPT0923-006A	INST.BOOK	(ITALIAN)	20E,30E	
<b></b> 9	LPT0923-007A	INST.BOOK	(DANISH)	20E,30E	
<b></b> 9	LPT0923-008A	INST.BOOK	(SWEDISH)	20E,30E	
<b>⚠</b> 9	LPT0923-009A	INST.BOOK	(FINNISH)	20E,30E	
<b>⚠</b> 9	LPT0923-010A	INST.BOOK	(NORWEGIAN)	20E,30E	
<b></b> 9	LPT0923-011A	INST.BOOK	(PORTUGUESE)	20E,30E	
<b>⚠</b> 9	LPT0923-012A	INST.BOOK	(CZECH)	20E,30E	
<b>⚠</b> 9	LPT0923-013A	INST.BOOK	(POLISH)	20E,30E	
<b></b> 9	LPT0923-014A	INST.BOOK	(HUNGARIAN)	20E,30E	
<b>⚠</b> 9	LPT0924-001A	INST.BOOK	(FRENCH)	20EF,30EF	
<b></b> 9	LPT0925-001A	INST.BOOK	(ENGLISH)	20EK,30EK	
<b>⚠</b> 9	LPT0955-001A	INST. BOOK	(RUSSIAN)	30ER	
10	QPC02503530P	POLY BAG	25cm x 35cm		
11	BT-54023-1	WARRANTY CARD			
12	RM-SDR011E	REMOCON			
13	VNA3000-204	REGISTER CARD		20EK,30EK	
14	LP31399-001A	SHEET ASSY		20EK,30EK	